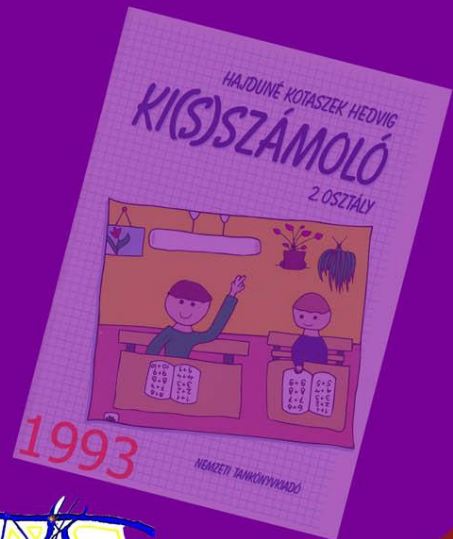
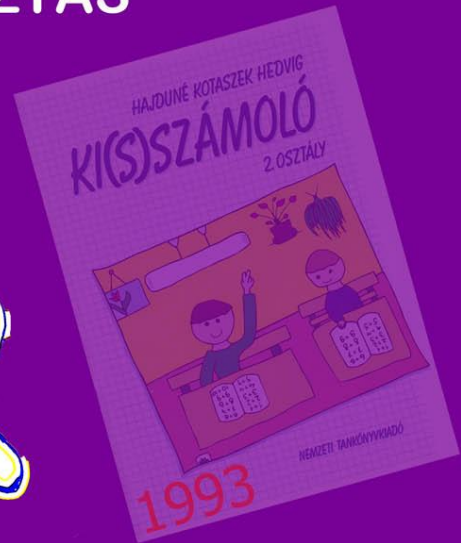


Kotaszek Hedvig

# KISZÁMOLÓ

SZORZÁS-OSZTÁS

2.o.



**Copyright @ Kotaszek Hedvig**

**Alkotó és szerkesztő**

**Kotaszek Hedvig**

**Minden jog fenntartva: Kotaszek Hedvig**

**kotaszekh@gmail.com**

**Első borító: Kotaszek Hedvig:**

Virághajam, lepkeszárnyam..My flowerhair, ma butterflyside  
részlet

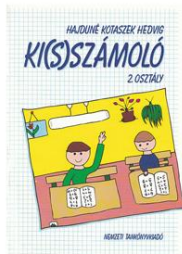
**Hátsó borító: Kotaszek Hedvig: |**

Virághajam, lepkeszárnyam..My flowerhair, ma butterflyside  
részlet

**Tilos ezen kiadvány bármely részét  
bárhogyan, bárki másnak felhasználnia,  
kivéve Magyar Elektronikus Könyvtár  
szerződésében írtak**

**ISBN**

## Kotaszek Hedvig matematika könyveim



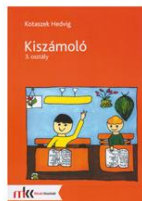
1993 Nemzeti Tankönyvkiadó



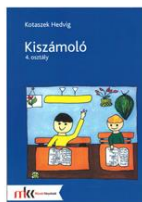
Műszaki Könyvkiadó



Műszaki Könyvkiadó



Műszaki Könyvkiadó



Műszaki Könyvkiadó



Műszaki Könyvkiadó

kotaszekh@gmail.com

w  
w  
.  
m  
u  
s  
z  
a  
k  
i  
k  
i  
a  
d  
o  
.  
h  
u  
+  
3  
6  
3  
0  
5  
4  
6  
1  
6  
8  
7



www.kotaszekhedvig.5mp.eu

1  
0  
3  
2  
B  
P  
.  
S  
a  
n  
M  
a  
r  
c  
o  
u  
.  
5  
7  
.  
F  
l  
ó  
r  
i  
á  
n  
n  
á  
l



Kotaszek Hedvig

# KISZÁMOLÓ

**SZORZÁS OSZTÁS**

nem csak 2. osztálynak

2020.április

# Szorzás táblázat

1 · 1 = 1
2 · 1 = 2
3 · 1 = 3
4 · 1 = 4
5 · 1 = 5
6 · 1 = 6
7 · 1 = 7
8 · 1 = 8
9 · 1 = 9
10 · 1 = 10

1 · 2 = 2
2 · 2 = 4
3 · 2 = 6
4 · 2 = 8
5 · 2 = 10
6 · 2 = 12
7 · 2 = 14
8 · 2 = 16
9 · 2 = 18
10 · 2 = 20

1 · 3 = 3
2 · 3 = 6
3 · 3 = 9
4 · 3 = 12
5 · 3 = 15
6 · 3 = 18
7 · 3 = 21
8 · 3 = 24
9 · 3 = 27
10 · 3 = 30

1 · 4 = 4
2 · 4 = 8
3 · 4 = 12
4 · 4 = 16
5 · 4 = 20
6 · 4 = 24
7 · 4 = 28
8 · 4 = 32
9 · 4 = 36
10 · 4 = 40

1 · 5 = 5
2 · 5 = 10
3 · 5 = 15
4 · 5 = 20
5 · 5 = 25
6 · 5 = 30
7 · 5 = 35
8 · 5 = 40
9 · 5 = 45
10 · 5 = 50

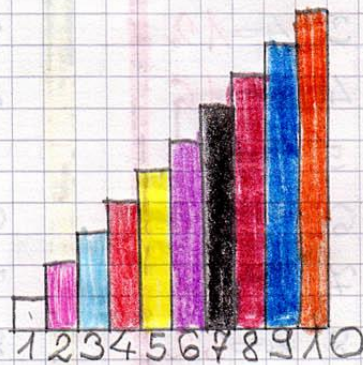
1 · 6 = 6
2 · 6 = 12
3 · 6 = 18
4 · 6 = 24
5 · 6 = 30
6 · 6 = 36
7 · 6 = 42
8 · 6 = 48
9 · 6 = 54
10 · 6 = 60

$1 \cdot 7 = 7$
$2 \cdot 7 = 14$
$3 \cdot 7 = 21$
$4 \cdot 7 = 28$
$5 \cdot 7 = 35$
$6 \cdot 7 = 42$
$7 \cdot 7 = 49$
$8 \cdot 7 = 56$
$9 \cdot 7 = 63$
$10 \cdot 7 = 70$

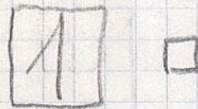
$1 \cdot 8 = 8$
$2 \cdot 8 = 16$
$3 \cdot 8 = 24$
$4 \cdot 8 = 32$
$5 \cdot 8 = 40$
$6 \cdot 8 = 48$
$7 \cdot 8 = 56$
$8 \cdot 8 = 64$
$9 \cdot 8 = 72$
$10 \cdot 8 = 80$

$1 \cdot 9 = 9$
$2 \cdot 9 = 18$
$3 \cdot 9 = 27$
$4 \cdot 9 = 36$
$5 \cdot 9 = 45$
$6 \cdot 9 = 54$
$7 \cdot 9 = 63$
$8 \cdot 9 = 72$
$9 \cdot 9 = 81$
$10 \cdot 9 = 90$

$1 \cdot 10 = 10$
$2 \cdot 10 = 20$
$3 \cdot 10 = 30$
$4 \cdot 10 = 40$
$5 \cdot 10 = 50$
$6 \cdot 10 = 60$
$7 \cdot 10 = 70$
$8 \cdot 10 = 80$
$9 \cdot 10 = 90$
$10 \cdot 10 = 100$



# SZORZÁS



$1 \cdot 1 = 1$		$1 = 1$
$2 \cdot 1 = 2$		$1 + 1 =$
$3 \cdot 1 = 3$		$1 + 1 + 1 =$
$4 \cdot 1 = 4$		$1 + 1 + 1 + 1 =$
$5 \cdot 1 = 5$		$1 + 1 + 1 + 1 + 1 =$
$6 \cdot 1 = 6$		$1 + 1 + 1 + 1 + 1 + 1 =$
$7 \cdot 1 = 7$		
$8 \cdot 1 = 8$		
$9 \cdot 1 = 9$		
$10 \cdot 1 = 10$		

$\square \square \square \cdot 3 \cdot 1 =$        $\square \square \square \cdot 1 + 1 + 1 + 1 + 1 =$   
 $1 + 1 + 1 =$                        $\square \square \square \cdot 5 \cdot 1 =$

1A		1B
$\square = 1 \cdot 1 =$		$1 \cdot 1 =$
$\square + \square = 2 \cdot 1 =$		$2 \cdot 1 =$
$\square + \square + \square = 3 \cdot 1 =$		$3 \cdot$
$\square + \square + \square + \square = 4 \cdot$		$4 \cdot$
$\square +$	$\square =$	$5 \cdot$
$\square$	$\square =$	$6 \cdot$
$\square$	$+ \square =$	$7 \cdot$
$\square$	$\square =$	$8 \cdot$
$\square$	$+ \square =$	$9 \cdot$
$\square$	$+ \square =$	$10 \cdot 1 =$
		$3$
2A	2B	
$3 \cdot 1 =$	$1 + 1 + 1 =$	$7 \cdot 1 =$
$6 \cdot 1 =$	$\cdot$	$5 \cdot 1 =$
$2 \cdot 1 =$	$\cdot$	$2 \cdot 1 =$
$4 \cdot 1 =$	$\cdot$	$10 \cdot 1 =$
$1 \cdot 1 =$	$\cdot$	$6 \cdot 1 =$
$5 \cdot 1 =$	$\cdot$	$8 \cdot 1 =$
4A	4B	
$1 + 1 + 1 + 1 =$		$4 \cdot 1 =$
$1 + 1 + 1 + 1 + 1 + 1 =$		$\cdot 1 =$
$1 +$	$+ 1 + 1 =$	$\cdot 1 =$
$1 +$	$1 + 1 + 1 =$	$\cdot 1 =$
	$6$	

Kotaszek Hedvig: KISZÁMOLÓ Szorzás-osztás 2.o.

2 =

$1 \cdot 2 = 2$



1 · 2 =

$2 = 2$

$2 \cdot 2 = 4$



$2 + 2 =$

$3 \cdot 2 = 6$



$2 + 2 + 2 =$

$4 \cdot 2 = 8$



$2 + 2 + 2 + 2 =$

$5 \cdot 2 = 10$



$2 + 2 + 2 + 2 + 2 =$

$6 \cdot 2 = 12$



$2 + 2 + 2 + 2 + 2 + 2 =$

$7 \cdot 2 = 14$



$8 \cdot 2 = 16$




$9 \cdot 2 = 18$



$10 \cdot 2 = 20$



  $2 + 2 + 2 + 2 + 2 + 2 =$   $6 \cdot 2 =$

7

1A		1B
$1 \cdot 2 =$		$2 =$
$2 \cdot 2 =$		$2 + 2 =$
$3 \cdot 2 =$		$2 + 2 + =$
$4 \cdot 2 =$		$2 + \dots =$
$5 \cdot 2 =$		$2 + \dots =$
$6 \cdot 2 =$		$2 + \dots =$
$7 \cdot 2 =$		$2 + \dots =$
$8 \cdot 2 =$		$2 + \dots =$
$9 \cdot 2 =$		$2 + \dots =$
$10 \cdot 2 =$		$2 + 2 + \dots =$

2A	2B	3
$2 + 2 + 2 + 2 + 2 =$	$5 \cdot 2 =$	$6 \cdot 2 =$
$2 + 2 + 2 =$	$\cdot 2 =$	$1 \cdot 2 =$
$2 =$	$\cdot 2 =$	$8 \cdot 2 =$
$2 + 2 + 2 + 2 + 2 + 2 =$	$\cdot 2 =$	$3 \cdot 2 =$
$2 + 2 =$	$\cdot 2 =$	$10 \cdot 2 =$
$2 + 2 + 2 + 2 =$	$\cdot 2 =$	$7 \cdot 2 =$

4A	4B
$5 \cdot 2 =$	$2 + 2 + \dots =$
$8 \cdot 2 =$	$2 + 2 + \dots =$
$10 \cdot 2 =$	$2 + 2 + \dots =$
$6 \cdot 2 =$	$2 + 2 + \dots =$

Kotaszek Hedvig: KISZÁMOLÓ Szorzás-osztás 2.o.

1	2	3	4
1 · 1 =	1 · 2 =	6 · 1 =	3 · 2 =
2 · 1 =	2 · 2 =	9 · 1 =	7 · 2 =
3 · 1 =	3 · 2 =	2 · 1 =	1 · 2 =
4 · 1 =	4 · 2 =	10 · 1 =	5 · 2 =
5 · 1 =	5 · 2 =	3 · 1 =	2 · 2 =
6 · 1 =	6 · 2 =	7 · 1 =	10 · 2 =
7 · 1 =	7 · 2 =	1 · 1 =	4 · 2 =
8 · 1 =	8 · 2 =	4 · 1 =	8 · 2 =
9 · 1 =	9 · 2 =	8 · 1 =	6 · 2 =
10 · 1 =	10 · 2 =	5 · 1 =	9 · 2 =

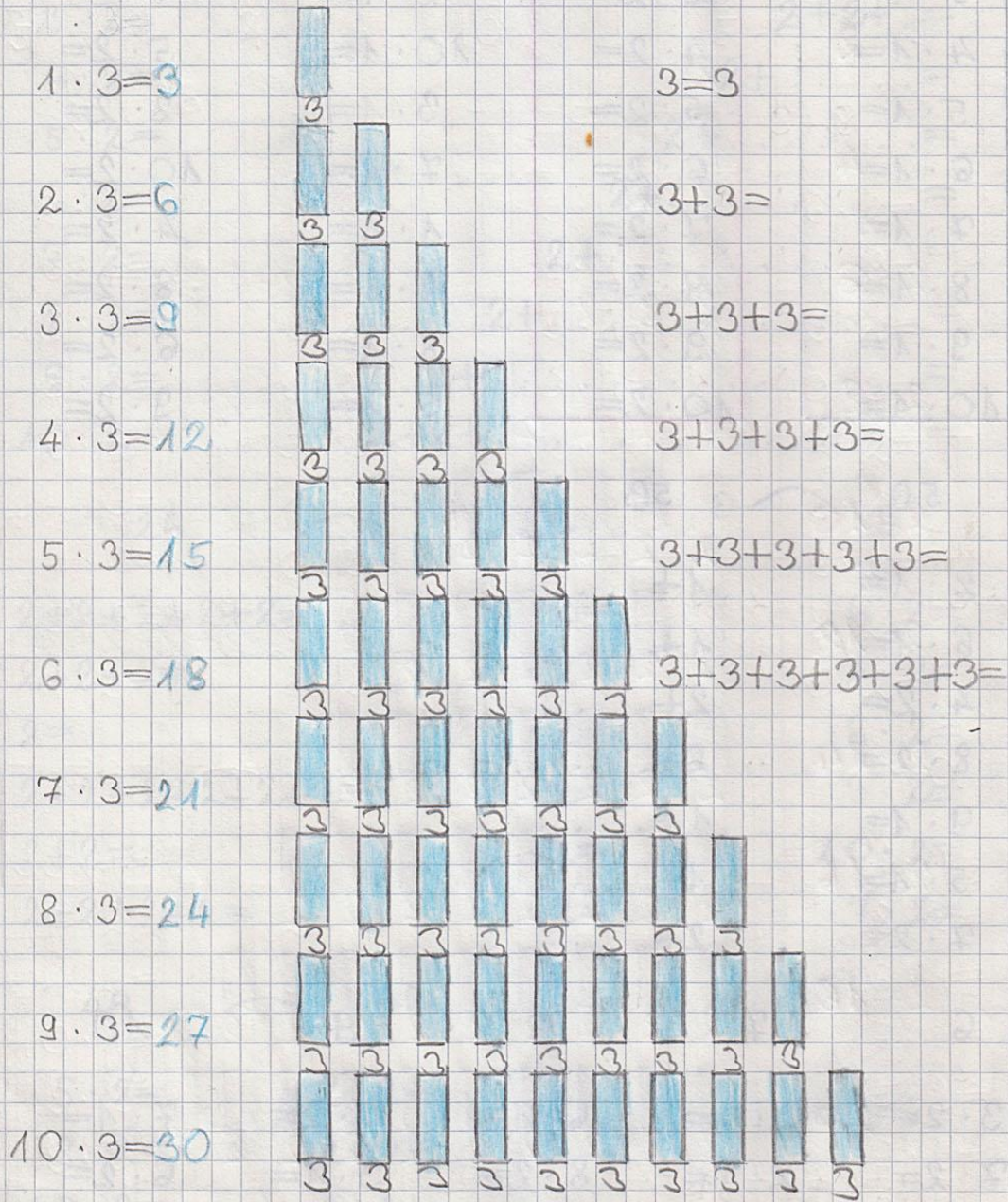
5A	5B
2 · 1 =	1 + ...
6 · 1 =	1 + ...
4 · 2 =	2 + ...
8 · 2 =	2 + ...
9 · 1 =	1 + ...
5 · 1 =	1 + ...
7 · 2 =	2 + ...

6	7	8	9	10
3 · 2 =	5 · 1 =	6 · 1 =	4 · 2 =	7 · 1 =
7 · 2 =	2 · 1 =	8 · 2 =	3 · 1 =	6 · 2 =
9 · 2 =	8 · 1 =	4 · 1 =	5 · 2 =	9 · 1 =

Kotaszek Hedvig: KISZÁMOLÓ Szorzás-osztás 2.o.

3 —



3 + 3 + 3 + 3 = 10      4 · 3 =

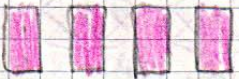
Kotaszek Hedvig: KISZÁMOLÓ Szorzás-osztás 2.o.

1A		1B	
$3 = 1 \cdot 3 =$		$1 \cdot 3 =$	
$3 + 3 = 2 \cdot 3 =$		$2 \cdot 3 =$	
$3 + 3 + 3 = 3 \cdot 3 =$		$3 \cdot 3 =$	
$3 + 3 + 3 + 3 = 4 \cdot$		$4 \cdot 3 =$	
$3 + 3 + 3 + 3 + 3 =$		$5 \cdot 3 =$	
$3 + 3 + \dots =$		$6 \cdot 3 =$	
$3 + 3 + \dots =$		$7 \cdot 3 =$	
$3 + 3 + \dots =$		$8 \cdot 3 =$	
$3 + 3 + \dots =$		$9 \cdot 3 =$	
$3 + 3 + \dots =$		$10 \cdot 3 =$	
2	3	4	5
$3 \cdot 3 =$	$2 \cdot 3 =$	$8 \cdot 3 =$	$6 \cdot 3 =$
$1 \cdot 3 =$	$10 \cdot 3 =$	$5 \cdot 3 =$	$4 \cdot 3 =$
$7 \cdot 3 =$	$6 \cdot 3 =$	$1 \cdot 3 =$	$9 \cdot 3 =$
$4 \cdot 3 =$	$9 \cdot 3 =$	$10 \cdot 3 =$	$3 \cdot 3 =$
6A		6B	
$3 + 3 + 3 + 3 =$		$\square \cdot 3 =$	
$3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 =$		$\square \cdot 3 =$	
$3 + 3 =$		$\square \cdot 3 =$	
$3 + 3 + 3 + 3 + 3 + 3 =$		$\square \cdot 3 =$	
$3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 =$		$\square \cdot 3 =$	
$3 + 3 + 3 + 3 + 3 + 3 =$		$\square \cdot 3 =$	

1			2			3			4			
·	1	2	·	2	3	·	3	1	·	2	1	3
1			1			6			4			
2			3			2			8			
3			5			9			3			
4			2			7			10			
5			4			10			5			
5			6			7			8			
2	·	3=	4	·	2=	3	·	1=	6	·	2=	
6	·	3=	7	·	2=	8	·	1=	4	·	3=	
10	·	3=	2	·	2=	5	·	1=	5	·	1=	
3	·	3=	9	·	2=	10	·	1=	10	·	3=	
8	·	3=	5	·	2=	2	·	1=	7	·	2=	
4	·	3=	1	·	2=	7	·	1=	3	·	1=	
9	·	3=	6	·	2=	4	·	1=	9	·	2=	
5	·	3=	3	·	2=	6	·	1=	8	·	3=	
1	·	3=	8	·	2=	9	·	1=	10	·	2=	
9A			9B			10						
3	·	1=	1+	..	4	·	1=					
7	·	2=	2+	..	8	·	2=					
4	·	3=	3+	..	6	·	1=					
10	·	1=	1+	..	7	·	2=					
5	·	2=	..	..	5	·	3=					
8	·	3=	..	..	9	·	3=					
2	·	1=	..	..	9	·	2=					


12

1




$$2+2+2+2=$$

$$4 \cdot 2=$$



$$1+1+1+1+1+1+1=$$

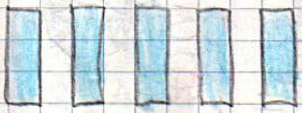
$$7 \cdot 1=$$



$$2+2=$$


$$2 \cdot 2=$$

2



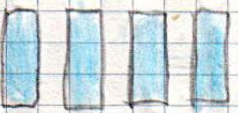
$$3+3+3+3+3=$$

$$5 \cdot 3=$$



$$2+2+2=$$


$$3 \cdot 2=$$




$$3+3+3+3=$$

$$4 \cdot 3=$$


3




$$6 \cdot 3=$$



$$9 \cdot 2=$$

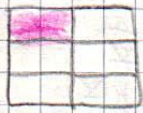


$$10 \cdot 1=$$




$$2 \cdot 3=$$


4




$$6 \cdot 2=$$



$$9 \cdot 1=$$

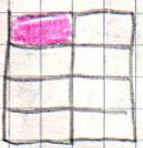


$$7 \cdot 3=$$

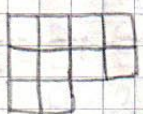


$$5 \cdot 2=$$


5



$$8 \cdot 2=$$






$$10 \cdot 1=$$



$$2 \cdot 3=$$


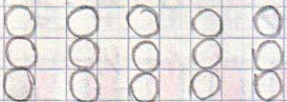
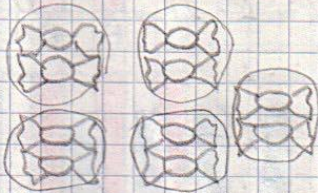
13

1

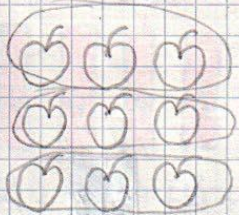
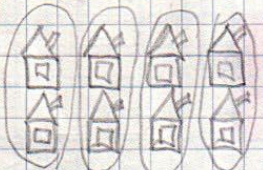
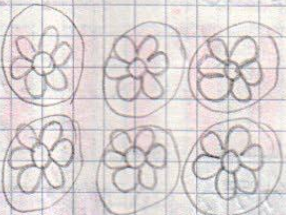
$5 \cdot 1 =$ 
 $5 \cdot 2 =$ 
 $2 \cdot 3 =$

2

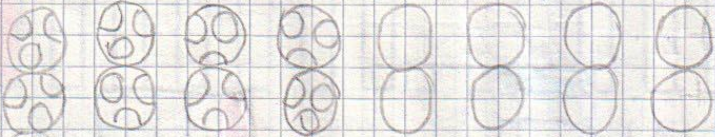
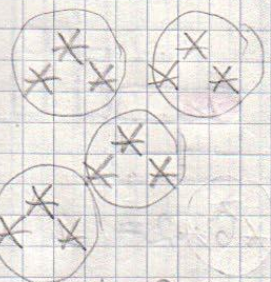
$4 \cdot 1 =$ 
 $5 \cdot 3 =$ 
 $5 \cdot 2 =$

3


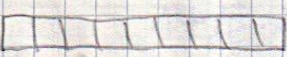





$3 \cdot 3 =$ 
 $4 \cdot 2 =$ 
 $6 \cdot 1 =$

4

$8 \cdot 2 =$ 
 $4 \cdot 3 =$

$6 \cdot 2 =$ 
 $9 \cdot 1 =$ 
 $8 \cdot 3 =$

14

Kotaszek Hedvig: KISZÁMOLÓ Szorzás-osztás 2.o.

4

1 · 4 = 4      4 = 4

2 · 4 = 8      4 + 4 =

3 · 4 = 12      4 + 4 + 4 =

4 · 4 = 16      4 + 4 + 4 + 4 =

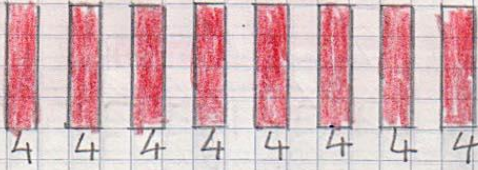
5 · 4 = 20      4 + 4 + 4 + 4 + 4 =

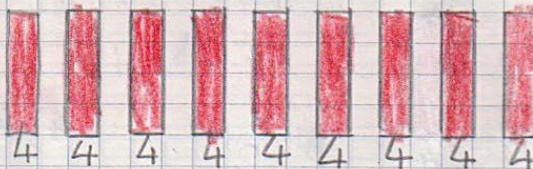
6 · 4 = 24      4 + 4 + 4 + 4 + 4 + 4 =

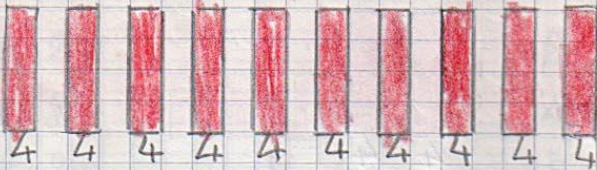
7 · 4 = 28      4 + 4 + 4 + 4 + 4 + 4 + 4 =

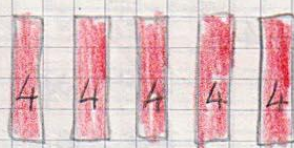
15

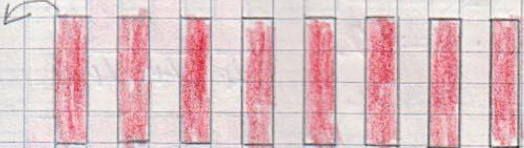
Kotaszek Hedvig: KISZÁMOLÓ Szorzás-osztás 2.o.

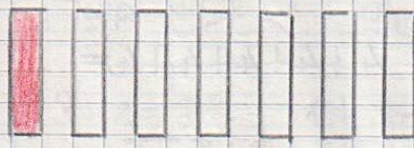
$8 \cdot 4 = 32$ 


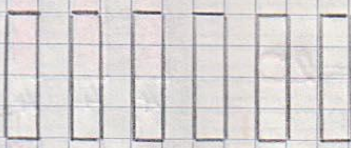
$9 \cdot 4 = 36$ 


$10 \cdot 4 = 40$ 


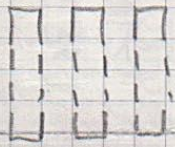
1. 
 $4 + 4 + 4 + 4 + 4 =$   
 $5 \cdot 4 =$


2. 
 $4 + 4 + 4 + 4 + 4 + 4 + 4 + 4 =$   
 $8 \cdot 4 =$


 $4 + 4 + \dots$   
 $7 \cdot 4 =$


 $4 + 4 + \dots$   
 $6 \cdot 4 =$

$4 + 4 + 4 =$   
 $3 \cdot 4 =$





16

Kotaszek Hedvig: KISZÁMOLÓ Szorzás-osztás 2.o.

1.	2.	3.	4.
1 · 4 =	7 · 4 =	3 · 2 =	2 · 4 =
2 · 4 =	8 · 4 =	8 · 2 =	6 · 2 =
3 · 4 =	10 · 4 =	2 · 2 =	7 · 4 =
4 · 4 =	2 · 4 =	5 · 2 =	3 · 2 =
5 · 4 =	9 · 4 =	10 · 2 =	9 · 4 =
6 · 4 =	1 · 4 =	1 · 2 =	5 · 2 =
7 · 4 =	8 · 4 =	7 · 2 =	10 · 4 =
8 · 4 =	5 · 4 =	9 · 2 =	2 · 2 =
9 · 4 =	4 · 4 =	6 · 2 =	9 · 2 =
10 · 4 =	6 · 4 =	4 · 2 =	6 · 4 =

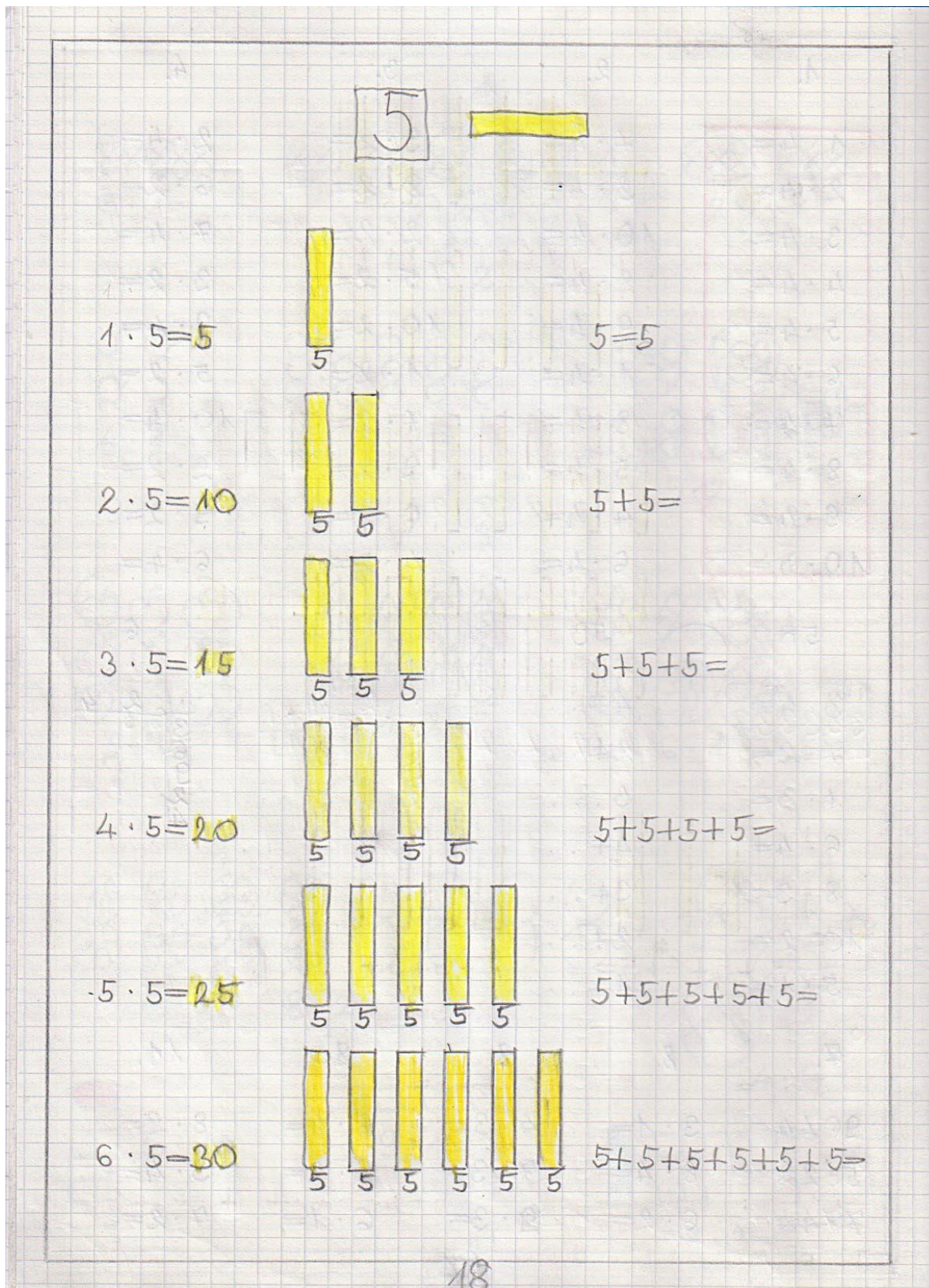
  

5A	5B	6																		
3 · 4 =	4 + . .	<table border="1"> <tr> <td>.</td> <td>2</td> <td>4</td> </tr> <tr> <td>3</td> <td></td> <td></td> </tr> <tr> <td>6</td> <td></td> <td></td> </tr> <tr> <td>9</td> <td></td> <td></td> </tr> <tr> <td>2</td> <td></td> <td></td> </tr> <tr> <td>4</td> <td></td> <td></td> </tr> </table>	.	2	4	3			6			9			2			4		
.	2		4																	
3																				
6																				
9																				
2																				
4																				
7 · 2 =	2 + . .																			
1 · 3 =	3 . . .																			
6 · 4 =	4 + . .																			
8 · 3 =	3 + . .																			
10 · 2 =	2 + . .																			
5 · 1 =	1 + . .																			

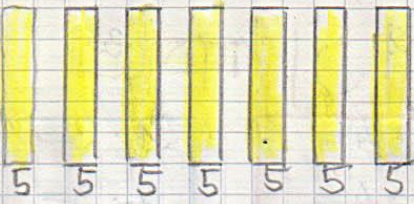
  

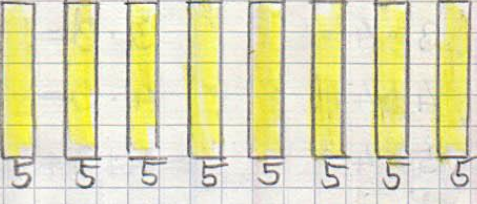
7.	8	9.	10	11.
9 · 4 =	3 · 1 =	4 · 3 =	6 · 4 =	8 · 2 =
5 · 2 =	8 · 4 =	7 · 3 =	6 · 2 =	3 · 4 =
7 · 4 =	6 · 2 =	9 · 3 =	6 · 1 =	7 · 2 =

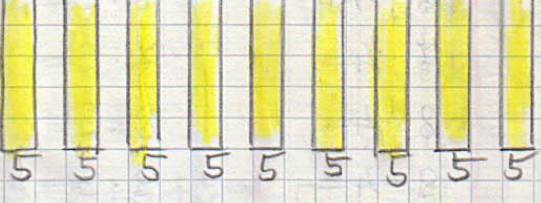
17

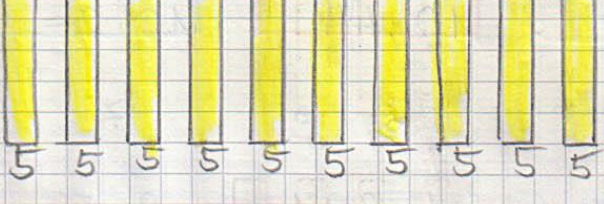


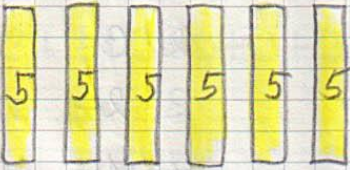
Kotaszek Hedvig: KISZÁMOLÓ Szorzás-osztás 2.o.

$7 \cdot 5 = 35$ 


$8 \cdot 5 = 40$ 


$9 \cdot 5 = 45$ 


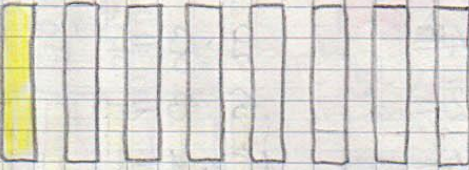
$10 \cdot 5 = 50$ 


1. 

$5 + 5 + 5 + 5 + 5 + 5 =$   
 $6 \cdot 5 =$

$5 + 5 + 5 =$   
 $3 \cdot 5 =$

$5 + 5 + 5 + 5 =$   
 $4 \cdot 5 =$

2. 

$5 + 5 + 5 + \dots =$   
 $8 \cdot 5 =$

$5 + 5 =$   
 $2 \cdot 5 =$

$5 + 5 + 5 + 5 + 5 + 5 + 5 =$   
 $7 \cdot 5 =$

19

Kotaszek Hedvig: KISZÁMOLÓ Szorzás-osztás 2.o.

1.	2.	3.	4.
1 · 5 =	1 · 4 =	1 · 3 =	1 · 2 =
2 · 5 =	2 · 4 =	2 · 3 =	2 · 2 =
3 · 5 =	3 · 4 =	3 · 3 =	3 · 2 =
4 · 5 =	4 · 4 =	4 · 3 =	4 · 2 =
5 · 5 =	5 · 4 =	5 · 3 =	5 · 2 =
6 · 5 =	6 · 4 =	6 · 3 =	6 · 2 =
7 · 5 =	7 · 4 =	7 · 3 =	7 · 2 =
8 · 5 =	8 · 4 =	8 · 3 =	8 · 2 =
9 · 5 =	9 · 4 =	9 · 3 =	9 · 2 =
10 · 5 =	10 · 4 =	10 · 3 =	10 · 2 =
5.	6.	7.	8.
3 · 2 =	4 · 3 =	2 · 5 =	3 · 4 =
6 · 2 =	8 · 1 =	6 · 5 =	7 · 5 =
7 · 4 =	9 · 3 =	9 · 5 =	2 · 3 =
5 · 2 =	6 · 3 =	4 · 5 =	9 · 2 =
10 · 4 =	10 · 1 =	10 · 5 =	7 · 1 =
3 · 4 =	7 · 3 =	3 · 5 =	6 · 4 =
9 · 2 =	5 · 1 =	7 · 5 =	8 · 5 =
5 · 4 =	2 · 3 =	1 · 5 =	8 · 2 =
10 · 2 =	5 · 3 =	8 · 5 =	8 · 3 =
7 · 2 =	10 · 3 =	5 · 5 =	10 · 4 =
9 · 4 =	6 · 1 =	9 · 5 =	6 · 5 =

20

1.A



1.B

$4+4=8$

$2 \cdot 4=8$

$2+2+2+2+2=$

$5 \cdot 2=$

$5+5+5=$

$3 \cdot \quad =$

$3+3+3+3+3+3=$

$6 \cdot \quad =$

$1+1+1+1+1+1+1+1=$

$\cdot 1=$

$4+4+4+4+4+4=$

$\cdot 4=$

$2+2+2+2=$

$\cdot 2=$

$3+3+3+3+3+3+3=$

$\cdot 3=$

$5+5+5+5+5+5+5+5+5=$

$\cdot \quad =$

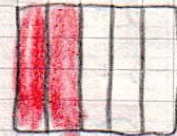
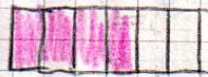
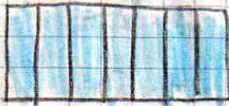
$4+4+4+4=$

$\cdot \quad =$

2.

3.

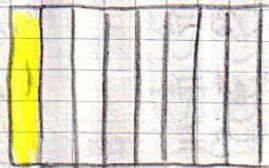
4.



$3+3+3+3+3+3+3=$

$6 \cdot 2=$

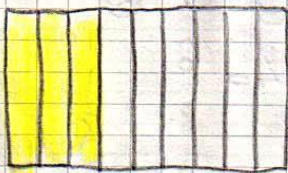
$7 \cdot 3=$



$8 \cdot 5=$



$4 \cdot 3=$

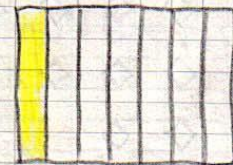


$5+5+5 \dots \dots$

$9 \cdot 5=$



$8 \cdot \quad =$



$7 \cdot 5=$



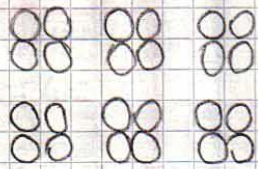
$2 \cdot 4=$

24

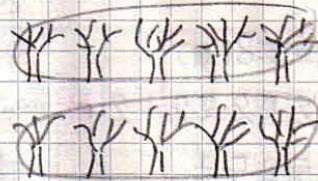
1.



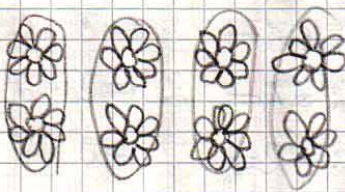
5 · 3 =



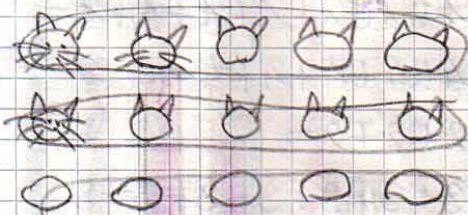
6 · 4 =



2 · 5



4 · 2 =

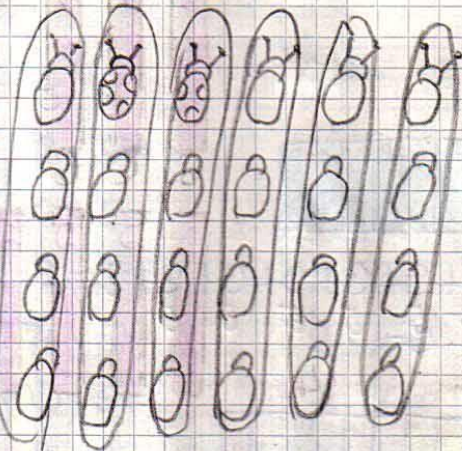


3 · 5 =

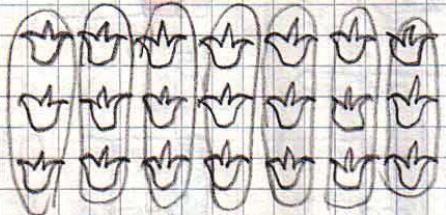
2.



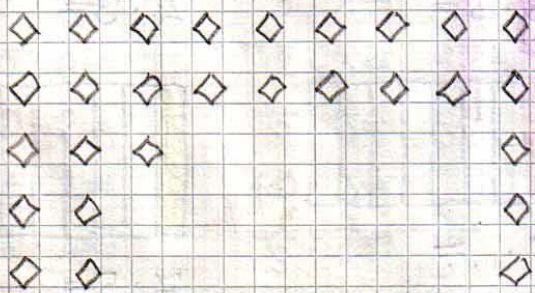
5 · 1 =



6 · 4 =



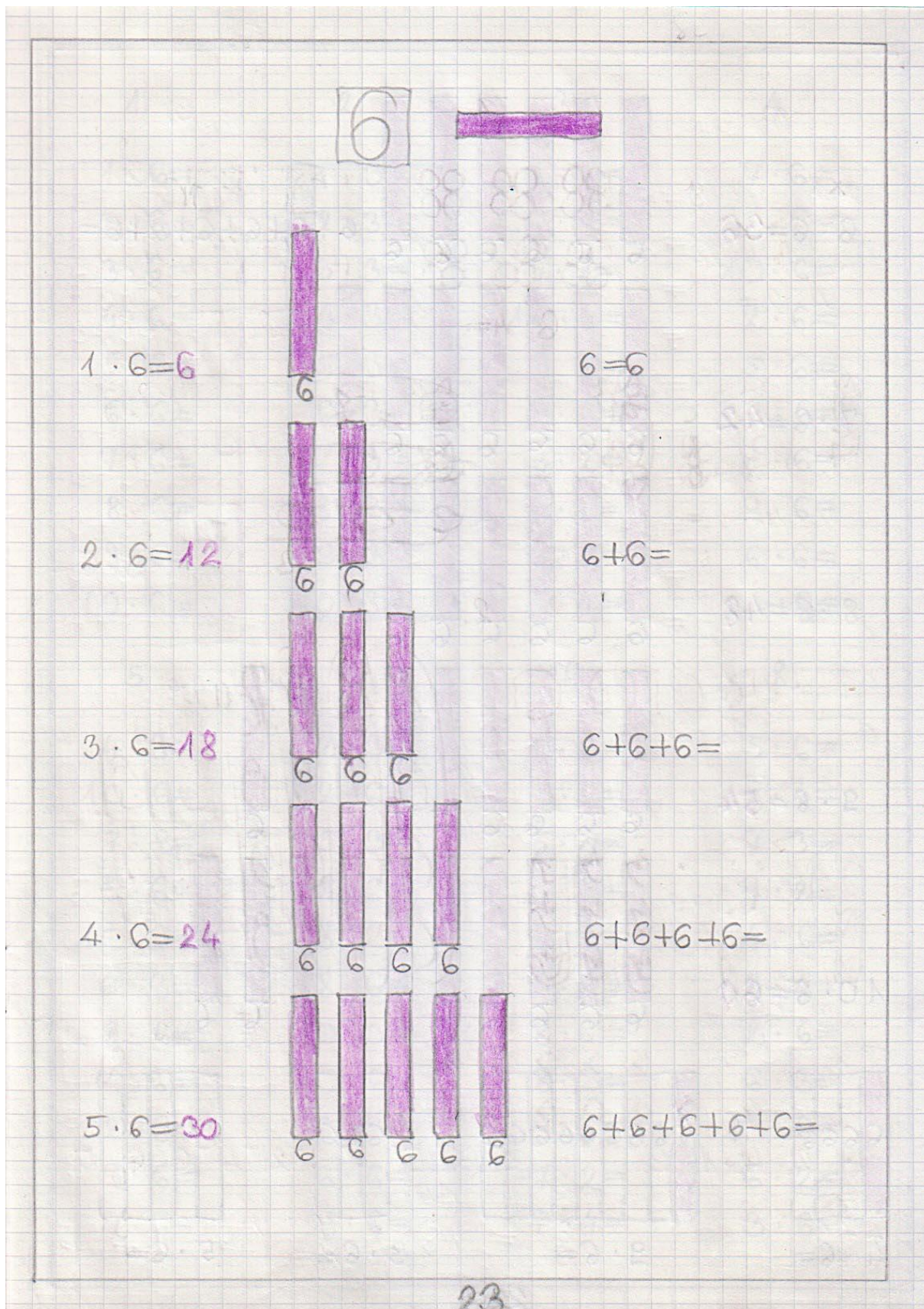
7 · 3 =



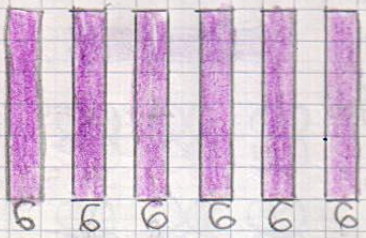
9 · 5 =

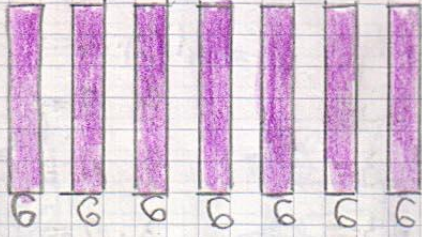


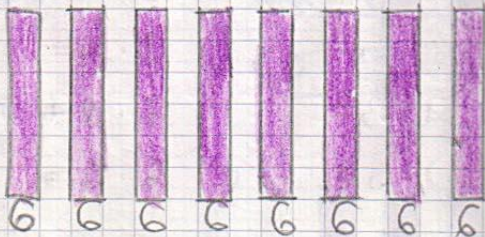
4 · 1

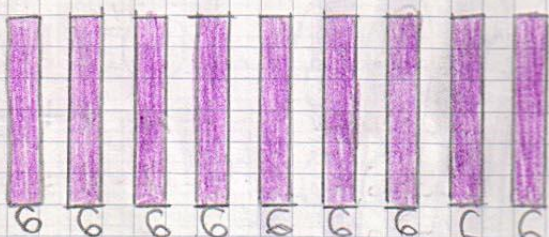


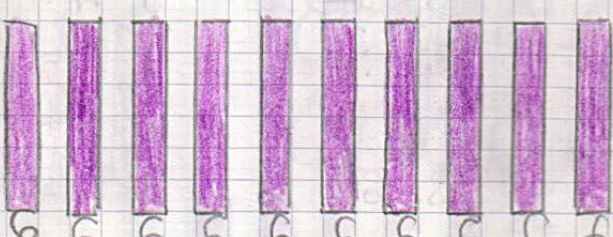
Kotaszek Hedvig: KISZÁMOLÓ Szorzás-osztás 2.o.


$6 \cdot 6 = 36$ 

 $6 + 6 + 6 + 6 + 6 + 6 =$


$7 \cdot 6 = 42$ 


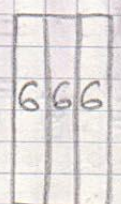
$8 \cdot 6 = 48$ 



$9 \cdot 6 = 54$ 


$10 \cdot 6 = 60$ 



 $4 \cdot 6 =$


 $9 \cdot 6 =$


 $3 \cdot 6 =$


 $5 \cdot 6 =$


1.


24

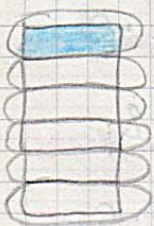
Kotaszek Hedvig: KISZÁMOLÓ Szorzás-osztás 2.o.


1.	2.	3.	4.
1 · 6 =	1 · 3 =	4 · 2 =	7 · 6 =
2 · 6 =	2 · 3 =	7 · 4 =	3 · 6 =
3 · 6 =	3 · 3 =	5 · 2 =	10 · 6 =
4 · 6 =	4 · 3 =	10 · 4 =	2 · 6 =
5 · 6 =	5 · 3 =	9 · 2 =	5 · 6 =
6 · 6 =	6 · 3 =	9 · 4 =	8 · 6 =
7 · 6 =	7 · 3 =	3 · 2 =	1 · 6 =
8 · 6 =	8 · 3 =	3 · 4 =	9 · 6 =
9 · 6 =	9 · 3 =	6 · 2 =	6 · 6 =
10 · 6 =	10 · 3 =	6 · 4 =	4 · 6 =
5.	6.	7.	8.
4 · 3 =	2 · 3 =	4 · 2 =	5 · 6 =
10 · 6 =	2 · 6 =	7 · 6 =	8 · 4 =
7 · 3 =	5 · 3 =	5 · 4 =	7 · 3 =
5 · 6 =	5 · 6 =	9 · 3 =	9 · 2 =
10 · 3 =	8 · 3 =	6 · 6 =	4 · 6 =
6 · 3 =	8 · 6 =	9 · 4 =	8 · 4 =
8 · 6 =	10 · 3 =	8 · 6 =	2 · 6 =
4 · 6 =	10 · 6 =	8 · 3 =	6 · 3 =
2 · 3 =	6 · 3 =	9 · 6 =	10 · 6 =
9 · 6 =	6 · 6 =	7 · 2 =	6 · 2 =
7 · 6 =	9 · 6 =	7 · 4 =	3 · 6 =


25


1.  1. 2  
2. 2  
3. 2  
4. 2  
 $4 \cdot 2 =$


 2. 4  
1. 4  
2. 4  
 $2 \cdot 4 =$


 1. 3  
2. 3  
3. 3  
4. 3  
5. 3  
6. 3  
 $6 \cdot 3 =$


 1. 6  
2. 6  
3. 6  
 $3 \cdot 6 =$


2.  1. 2  
2. 2  
3. 2  
4. 2  
5. 2  
6. 2  
7. 2  
8. 2  
 $8 \cdot 2 =$

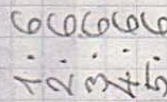
 2. 4  
1. 4  
3. 4  
4. 4  
 $4 \cdot 4 =$

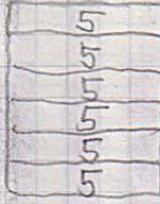
 1. 2  
2. 2  
3. 2  
4. 2  
5. 2  
 $5 \cdot 2 =$

 1. 5  
2. 5  
 $2 \cdot 5 =$

3.  1. 3  
2. 3  
3. 3  
4. 3  
5. 3  
6. 3  
7. 3  
8. 3  
9. 3  
10. 3  
 $10 \cdot 3 =$

 5. 6 =

 6. 6 =

 1. 5  
2. 5  
3. 5  
4. 5  
5. 5  
6. 5  
 $6 \cdot 5 =$   
 $5+5+5+5+5+5=$

4. 

•	2	4	1	3
3				
4				
5				
6				
7				
8				
9				
10				

5. 

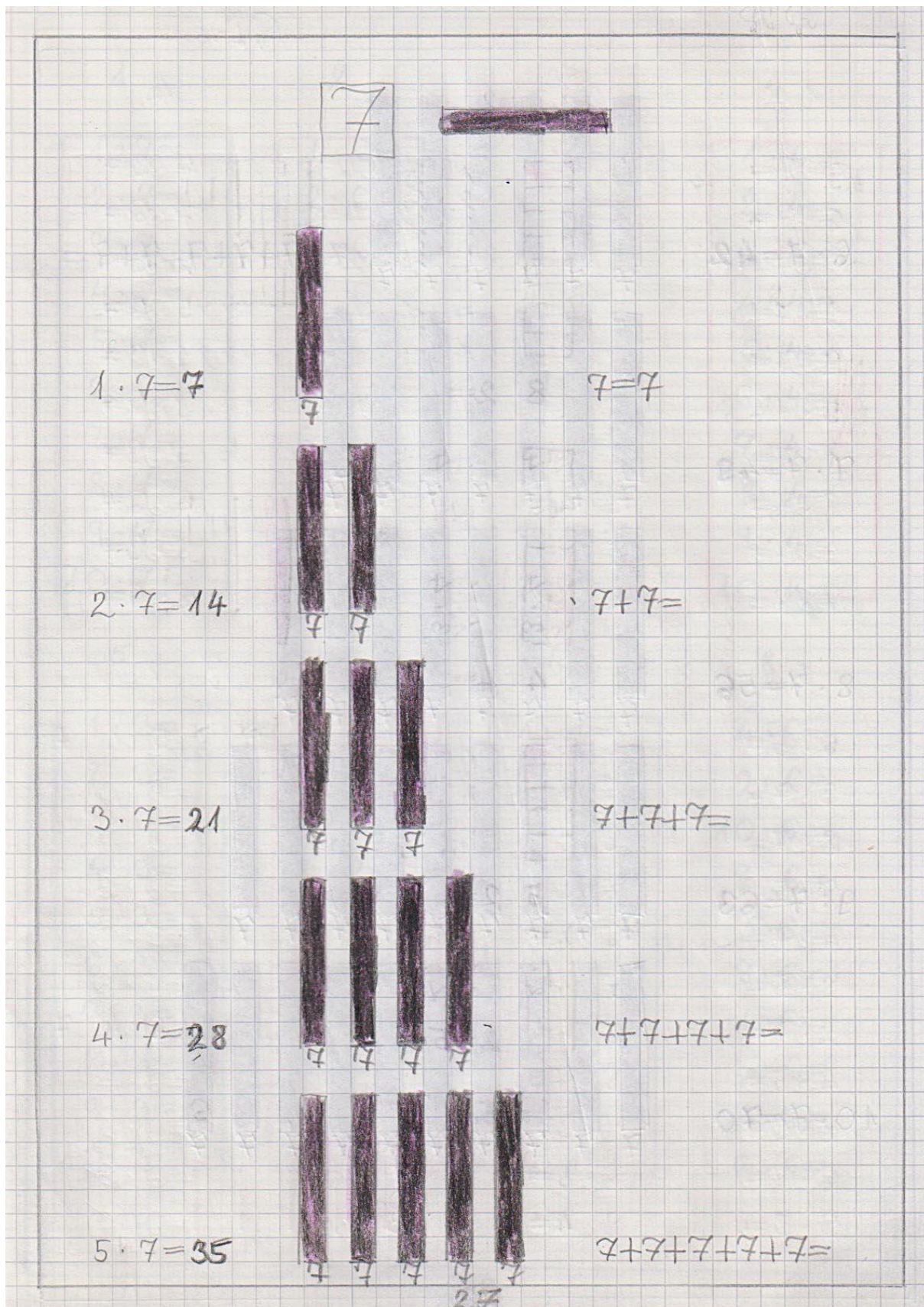
•	3	6	5
2			
3			
4			
5			
6			
7			
8			
9			
10			

6. 

•	2	4	3	6	5
4					
1					
9					
6					

26

Kotaszek Hedvig: KISZÁMOLÓ Szorzás-osztás 2.o.



Kotaszek Hedvig: KISZÁMOLÓ Szorzás-osztás 2.o.

Handwritten multiplication facts on grid paper, each accompanied by a visual representation using vertical bars and the number 7.

6 · 7 = 42      7 + 7 + 7 + 7 + 7 + 7 =

7 · 7 = 49

8 · 7 = 56

9 · 7 = 63

10 · 7 = 70

28

Kotaszek Hedvig: KISZÁMOLÓ Szorzás-osztás 2.o.

1.	2.	3.	4.
1 · 7 =	1 · 6 =	1 · 5 =	1 · 4 =
2 · 7 =	2 · 6 =	2 · 5 =	2 · 4 =
3 · 7 =	3 · 6 =	3 · 5 =	3 · 4 =
4 · 7 =	4 · 6 =	4 · 5 =	4 · 4 =
5 · 7 =	5 · 6 =	5 · 5 =	5 · 4 =
6 · 7 =	6 · 6 =	6 · 5 =	6 · 4 =
7 · 7 =	7 · 6 =	7 · 5 =	7 · 4 =
8 · 7 =	8 · 6 =	8 · 5 =	8 · 4 =
9 · 7 =	9 · 6 =	9 · 5 =	9 · 4 =
10 · 7 =	10 · 6 =	10 · 5 =	10 · 4 =
5.	6.	7.	8.
1 · 3 =	1 · 2 =	1 · 1 =	4 · 6 =
2 · 3 =	2 · 2 =	2 · 1 =	2 · 6 =
3 · 3 =	3 · 2 =	3 · 1 =	10 · 6 =
4 · 3 =	4 · 2 =	4 · 1 =	4 · 6 =
5 · 3 =	5 · 2 =	5 · 1 =	3 · 6 =
6 · 3 =	6 · 2 =	6 · 1 =	9 · 6 =
7 · 3 =	7 · 2 =	7 · 1 =	1 · 6 =
8 · 3 =	8 · 2 =	8 · 1 =	5 · 6 =
9 · 3 =	9 · 2 =	9 · 1 =	8 · 6 =
10 · 3 =	10 · 2 =	10 · 1 =	6 · 6 =

1.	2.	3.	4.
$4 \cdot 7 =$	$3 \cdot 2 =$	$2 \cdot 2 =$	$4 \cdot 3 =$
$6 \cdot 7 =$	$6 \cdot 4 =$	$2 \cdot 4 =$	$7 \cdot 6 =$
$10 \cdot 7 =$	$7 \cdot 2 =$	$6 \cdot 2 =$	$2 \cdot 3 =$
$2 \cdot 7 =$	$5 \cdot 4 =$	$6 \cdot 4 =$	$5 \cdot 6 =$
$9 \cdot 7 =$	$9 \cdot 2 =$	$8 \cdot 2 =$	$9 \cdot 3 =$
$5 \cdot 7 =$	$6 \cdot 2 =$	$8 \cdot 4 =$	$9 \cdot 6 =$
$1 \cdot 7 =$	$8 \cdot 4 =$	$3 \cdot 2 =$	$5 \cdot 3 =$
$8 \cdot 7 =$	$3 \cdot 4 =$	$3 \cdot 4 =$	$6 \cdot 6 =$
$3 \cdot 7 =$	$5 \cdot 2 =$	$9 \cdot 2 =$	$8 \cdot 3 =$
$7 \cdot 7 =$	$9 \cdot 4 =$	$9 \cdot 4 =$	$8 \cdot 6 =$
5.	6.	7.	
$6 \cdot 5 =$	$2 \cdot 6 =$	•	2   4   3   6   5   1   7
$3 \cdot 7 =$	$4 \cdot 7 =$	3	
$8 \cdot 7 =$	$3 \cdot 5 =$	5	
$7 \cdot 5 =$	$8 \cdot 3 =$	10	
$4 \cdot 7 =$	$9 \cdot 2 =$	8	
$9 \cdot 5 =$	$7 \cdot 1 =$	4	
$2 \cdot 7 =$	$5 \cdot 6 =$	2	
$4 \cdot 5 =$	$8 \cdot 7 =$		
$8 \cdot 5 =$	$9 \cdot 3 =$		
$6 \cdot 7 =$	$8 \cdot 5 =$		
$3 \cdot 5 =$	$9 \cdot 4 =$		
		•	3   5   2   1   6   4   7
		6	
		2	
		7	
		4	
		9	
		1	
		10	
		3	

1A



1B

$5+5+5+5=20$

$2+2+2+2+2+2=$

$6+6+6=$

$4+4+4+4+4=$

$3+3+3+3+3+3+3+3+3=$

$7+7=$

$5+5+5+5+5+5+5=$

$1+1+1+1+1=$

$7+7+7+7+7+7+7+7=$

$2+2+2+2+2+2+2+2+2+2=$

→1

$4 \cdot 5=$

$6 \cdot \dots$

$3 \cdot \dots$

$5 \cdot \dots$

$\dots$

$2 \cdot \dots$

$\dots$

$\dots$

$\dots$

$10 \cdot \dots$

→1

2.

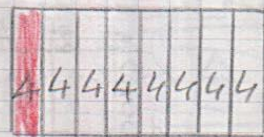
3.

4.



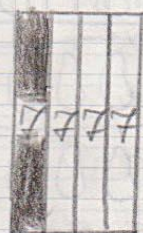
$6+6+6=$

$3 \cdot 6=$



$4+4+4+4+4+4+4+4=$

$8 \cdot 4=$



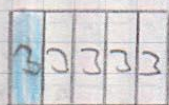
$7+7+7+7=$

$4 \cdot 7=$



$5+5+5+5+5+5+5=$

$7 \cdot 5=$



$3+3+3+3+3=$

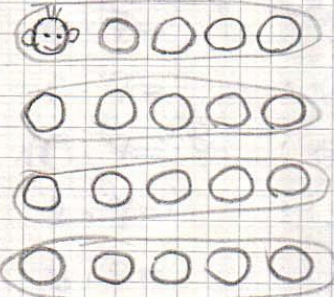

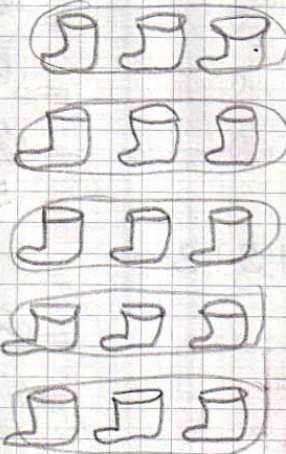
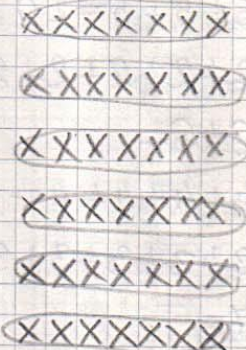
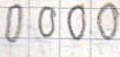
$5 \cdot 3=$



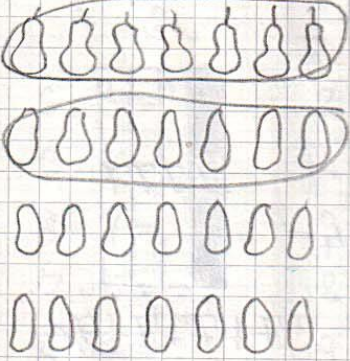

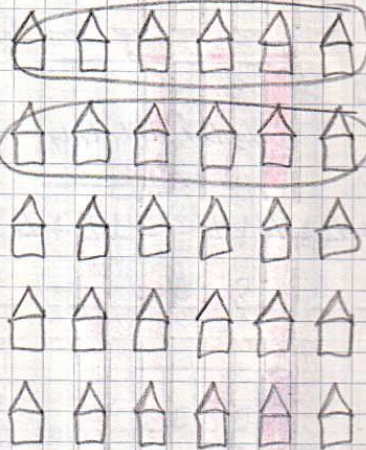
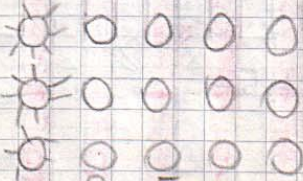


$2+2+2+2=$

$4 \cdot 2=$

1.

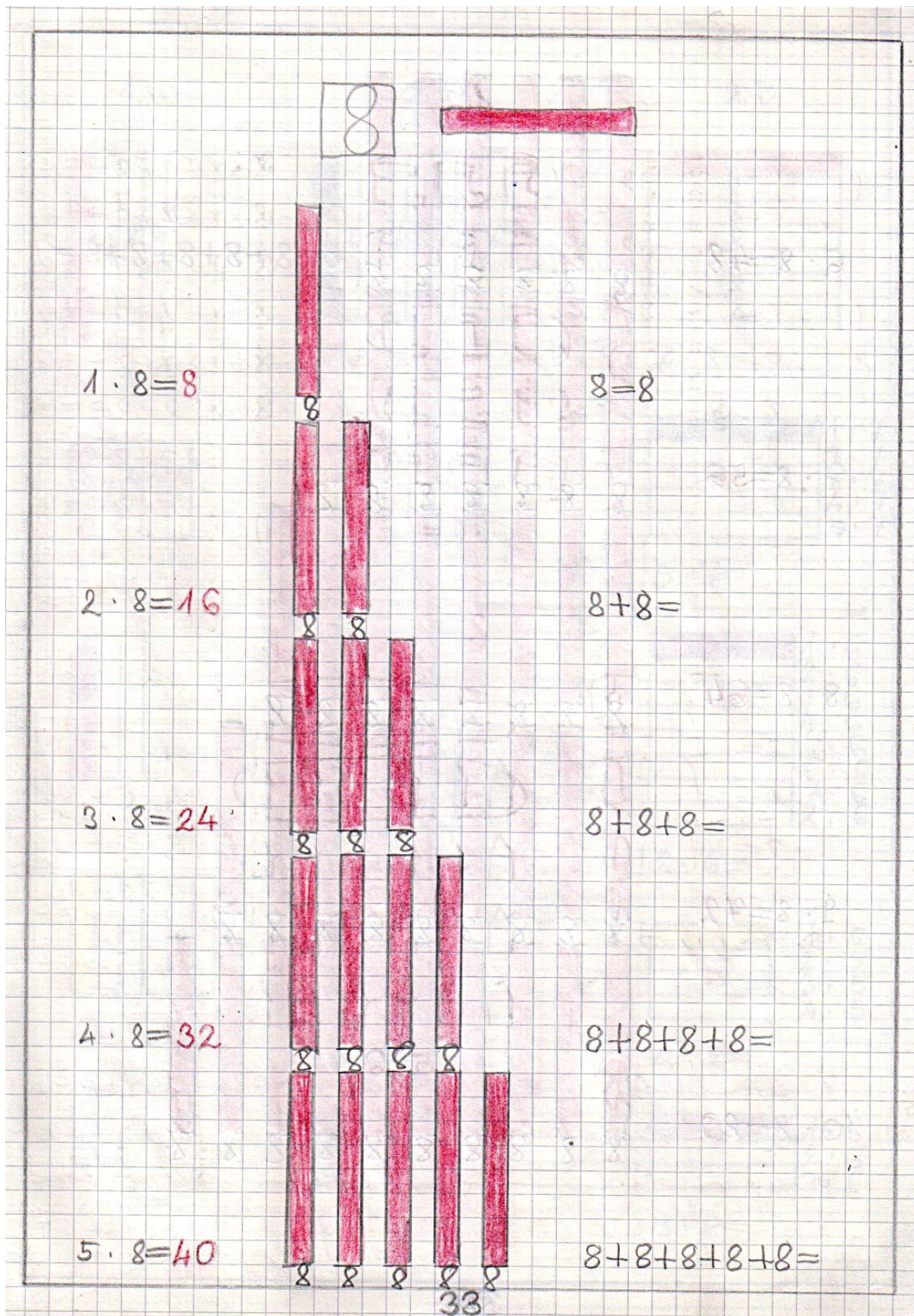
 <p style="text-align: center;"><math>4 \cdot 5 =</math></p>  <p style="text-align: center;"><math>2 \cdot 6 =</math></p>	 <p style="text-align: center;"><math>5 \cdot 3 =</math></p>	 <p style="text-align: center;"><math>6 \cdot 7 =</math></p>  <p style="text-align: center;"><math>1 \cdot 4 =</math></p>
---	---	---

2.

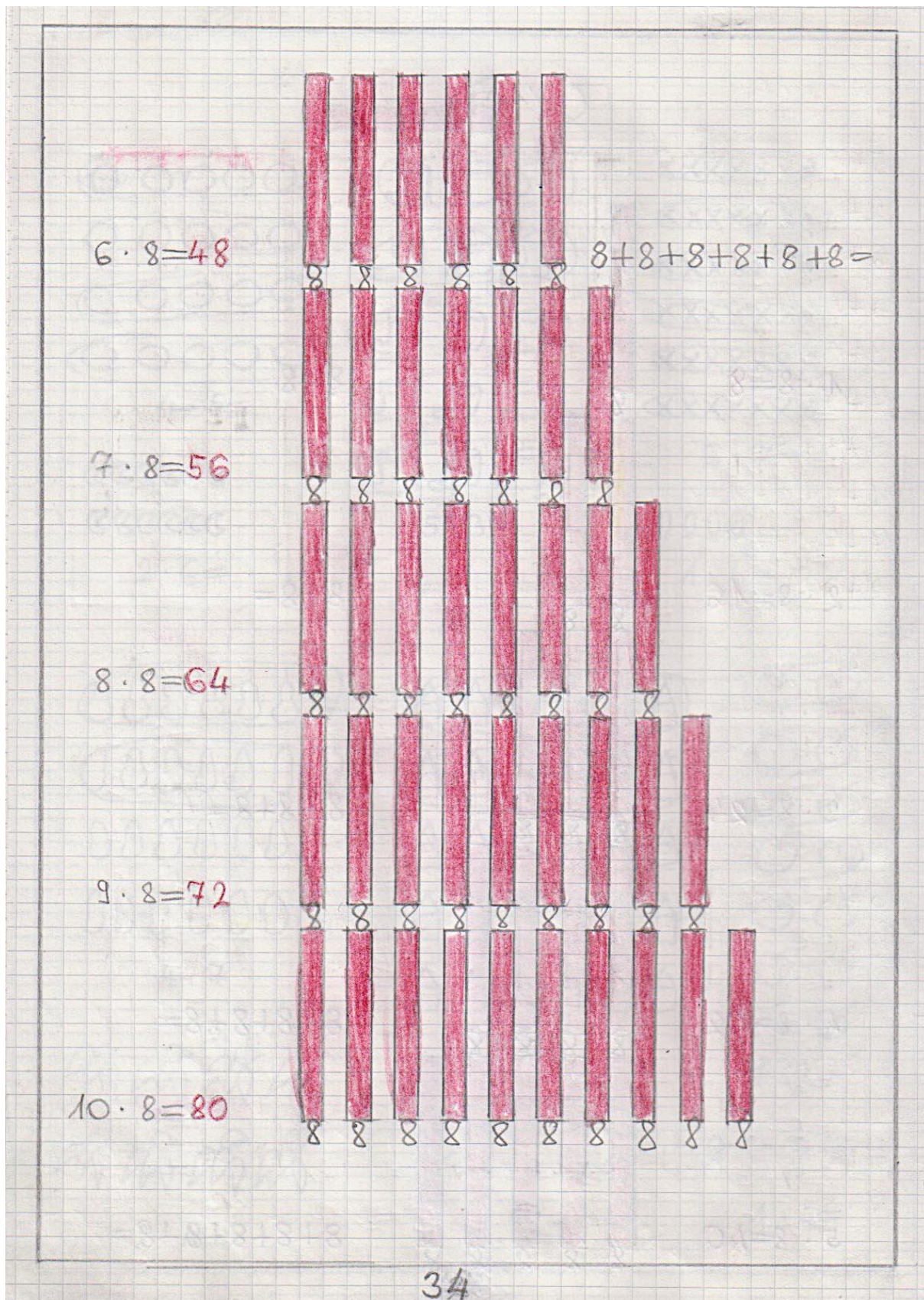
 <p style="text-align: center;"><math>4 \cdot 7 =</math></p>  <p style="text-align: center;"><math>2 \cdot 4 =</math></p>	 <p style="text-align: center;"><math>5 \cdot 6 =</math></p>  <p style="text-align: center;"><math>3 \cdot 5 =</math></p>	 <p style="text-align: center;"><math>7 \cdot 2 =</math></p>  <p style="text-align: center;"><math>1 \cdot 4 =</math></p>
---	---	---

32

Kotaszek Hedvig: KISZÁMOLÓ Szorzás-osztás 2.o.

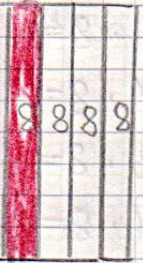
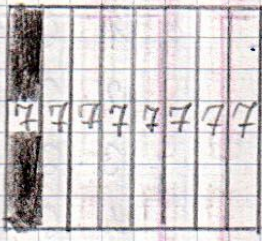
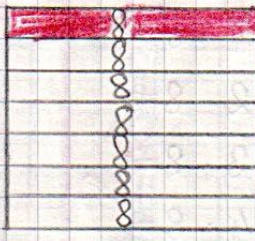
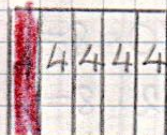

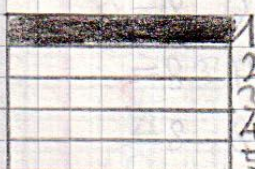



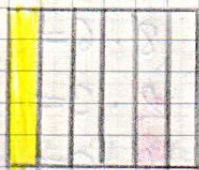
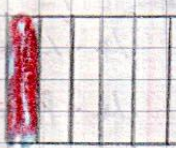
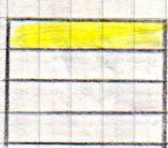


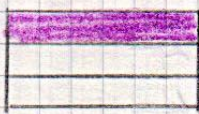


Kotaszek Hedvig: KISZÁMOLÓ Szorzás-osztás 2.o.



Kotaszek Hedvig: KISZÁMOLÓ Szorzás-osztás 2.o.

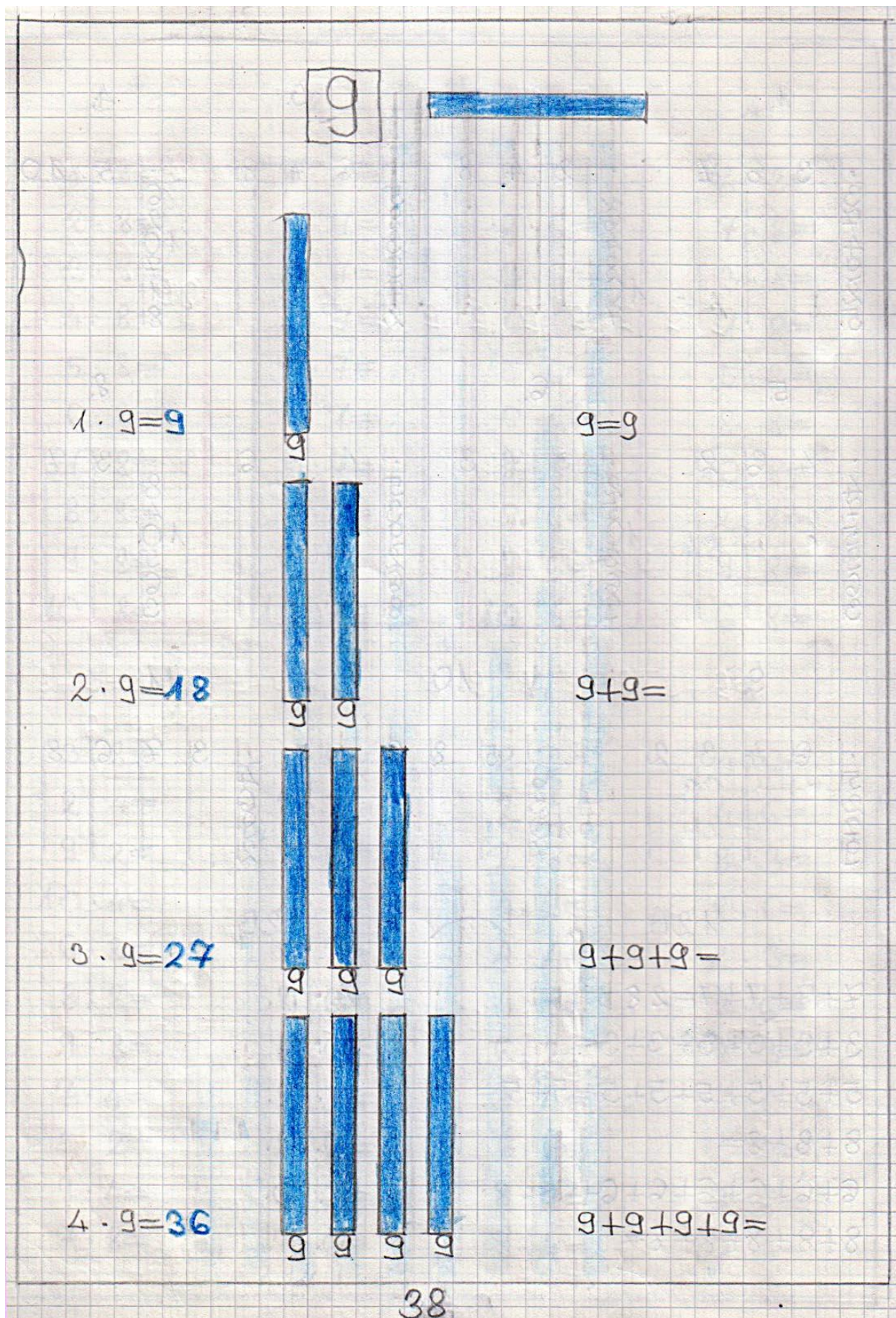
50

1.	2.A	2.B
 $4 \cdot 8 =$	 $8 \cdot 7 =$	 $7 \cdot 8 =$
 $5 \cdot 4 =$	 $7 \cdot 5 =$	 $5 \cdot 7 =$
 $3 \cdot 6 =$	 $6 \cdot 8 =$	 $8 \cdot 6 =$
 $6 \cdot 5 =$	 $5 \cdot 4 =$	 $4 \cdot 5 =$
 $2 \cdot 3 =$	 $6 \cdot 3 =$	 $3 \cdot 6 =$

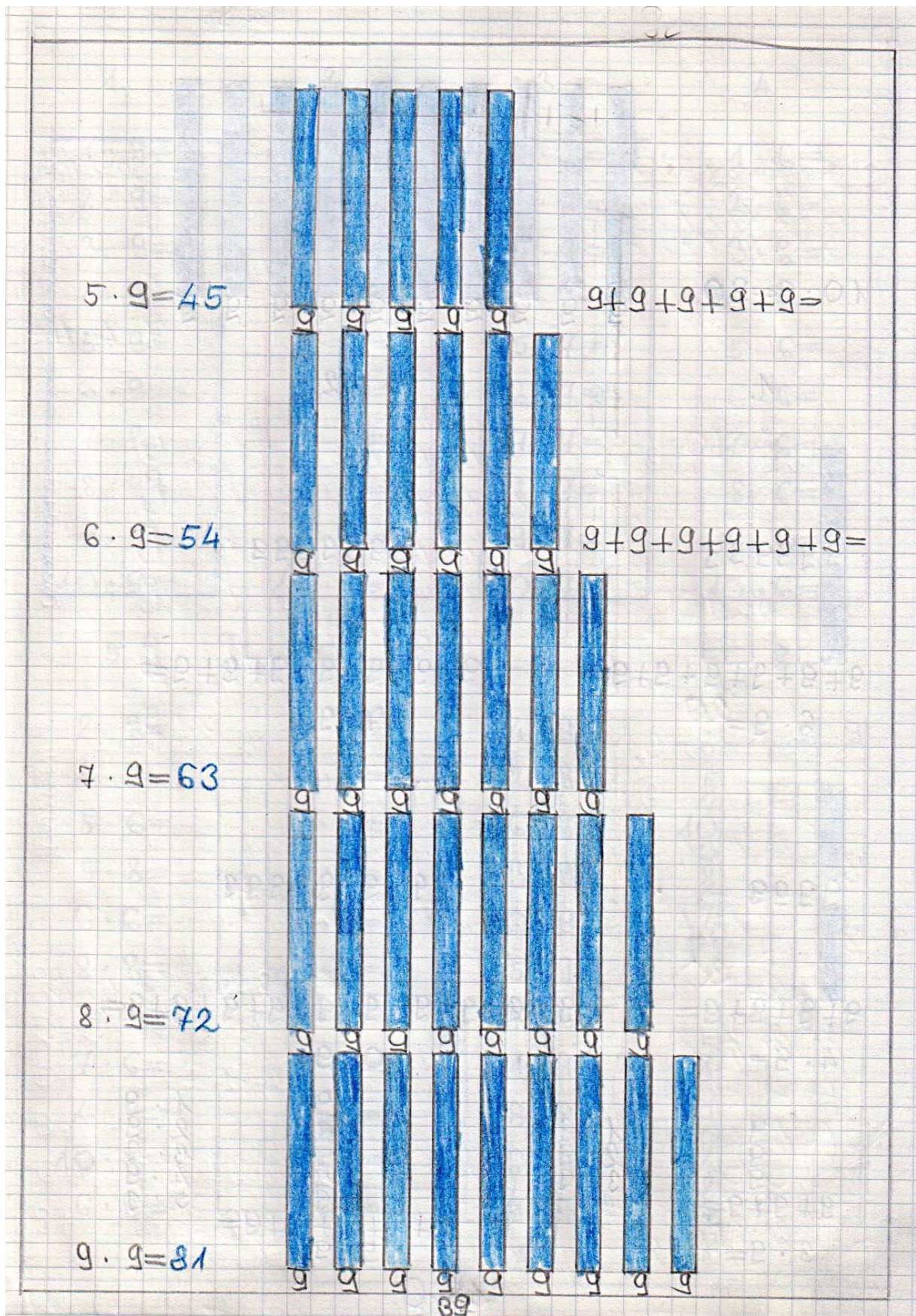
35

1.	2.	3.	4.
1 · 8 =	1 · 7 =	1 · 6 =	4 · 8 =
2 · 8 =	2 · 7 =	2 · 6 =	7 · 8 =
3 · 8 =	3 · 7 =	3 · 6 =	3 · 8 =
4 · 8 =	4 · 7 =	4 · 6 =	1 · 8 =
5 · 8 =	5 · 7 =	5 · 6 =	5 · 8 =
6 · 8 =	6 · 7 =	6 · 6 =	8 · 8 =
7 · 8 =	7 · 7 =	7 · 6 =	10 · 8 =
8 · 8 =	8 · 7 =	8 · 6 =	2 · 8 =
9 · 8 =	9 · 7 =	9 · 6 =	9 · 8 =
10 · 8 =	10 · 7 =	10 · 6 =	6 · 8 =
5.	6.	7.	8.
3 · 8 =	5 · 6 =	2 · 2 =	4 · 3 =
2 · 4 =	7 · 3 =	2 · 4 =	4 · 6 =
9 · 2 =	9 · 6 =	2 · 8 =	8 · 3 =
10 · 4 =	4 · 3 =	4 · 2 =	8 · 6 =
6 · 8 =	8 · 3 =	4 · 4 =	2 · 3 =
8 · 2 =	8 · 6 =	4 · 8 =	2 · 6 =
9 · 8 =	5 · 6 =	6 · 2 =	7 · 3 =
7 · 4 =	9 · 3 =	6 · 4 =	7 · 6 =
5 · 2 =	2 · 6 =	6 · 8 =	9 · 3 =
9 · 4 =	6 · 3 =	8 · 2 =	9 · 6 =
7 · 8 =	7 · 6 =	8 · 4 =	10 · 6 =

1.	2.	3.	4.																																																																																																																																				
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="text-align: right;">.</td><td>3</td><td>6</td><td>7</td></tr> <tr><td style="text-align: right;">3</td><td></td><td></td><td></td></tr> <tr><td style="text-align: right;">2</td><td></td><td></td><td></td></tr> <tr><td style="text-align: right;">0</td><td></td><td></td><td></td></tr> <tr><td style="text-align: right;">4</td><td></td><td></td><td></td></tr> <tr><td style="text-align: right;">2</td><td></td><td></td><td></td></tr> <tr><td style="text-align: right;">0</td><td></td><td></td><td></td></tr> <tr><td style="text-align: right;">4</td><td></td><td></td><td></td></tr> <tr><td style="text-align: right;">7</td><td></td><td></td><td></td></tr> <tr><td style="text-align: right;">3</td><td></td><td></td><td></td></tr> </table>	.	3	6	7	3				2				0				4				2				0				4				7				3				<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="text-align: right;">.</td><td>2</td><td>4</td><td>8</td></tr> <tr><td style="text-align: right;">2</td><td></td><td></td><td></td></tr> <tr><td style="text-align: right;">6</td><td></td><td></td><td></td></tr> <tr><td style="text-align: right;">4</td><td></td><td></td><td></td></tr> <tr><td style="text-align: right;">8</td><td></td><td></td><td></td></tr> <tr><td style="text-align: right;">1</td><td></td><td></td><td></td></tr> <tr><td style="text-align: right;">0</td><td></td><td></td><td></td></tr> <tr><td style="text-align: right;">7</td><td></td><td></td><td></td></tr> </table>	.	2	4	8	2				6				4				8				1				0				7				<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="text-align: right;">.</td><td>6</td><td>7</td><td>8</td></tr> <tr><td style="text-align: right;">5</td><td></td><td></td><td></td></tr> <tr><td style="text-align: right;">0</td><td></td><td></td><td></td></tr> <tr><td style="text-align: right;">0</td><td></td><td></td><td></td></tr> <tr><td style="text-align: right;">3</td><td></td><td></td><td></td></tr> <tr><td style="text-align: right;">0</td><td></td><td></td><td></td></tr> <tr><td style="text-align: right;">7</td><td></td><td></td><td></td></tr> <tr><td style="text-align: right;">0</td><td></td><td></td><td></td></tr> <tr><td style="text-align: right;">5</td><td></td><td></td><td></td></tr> </table>	.	6	7	8	5				0				0				3				0				7				0				5				<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="text-align: right;">.</td><td>5</td><td>10</td></tr> <tr><td style="text-align: right;">6</td><td></td><td></td></tr> <tr><td style="text-align: right;">2</td><td></td><td></td></tr> <tr><td style="text-align: right;">1</td><td></td><td></td></tr> <tr><td style="text-align: right;">0</td><td></td><td></td></tr> <tr><td style="text-align: right;">7</td><td></td><td></td></tr> <tr><td style="text-align: right;">1</td><td></td><td></td></tr> <tr><td style="text-align: right;">8</td><td></td><td></td></tr> </table>	.	5	10	6			2			1			0			7			1			8		
.	3	6	7																																																																																																																																				
3																																																																																																																																							
2																																																																																																																																							
0																																																																																																																																							
4																																																																																																																																							
2																																																																																																																																							
0																																																																																																																																							
4																																																																																																																																							
7																																																																																																																																							
3																																																																																																																																							
.	2	4	8																																																																																																																																				
2																																																																																																																																							
6																																																																																																																																							
4																																																																																																																																							
8																																																																																																																																							
1																																																																																																																																							
0																																																																																																																																							
7																																																																																																																																							
.	6	7	8																																																																																																																																				
5																																																																																																																																							
0																																																																																																																																							
0																																																																																																																																							
3																																																																																																																																							
0																																																																																																																																							
7																																																																																																																																							
0																																																																																																																																							
5																																																																																																																																							
.	5	10																																																																																																																																					
6																																																																																																																																							
2																																																																																																																																							
1																																																																																																																																							
0																																																																																																																																							
7																																																																																																																																							
1																																																																																																																																							
8																																																																																																																																							
5.	6.	7.	8.																																																																																																																																				
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="text-align: right;">.</td><td>4</td><td>6</td><td>2</td></tr> <tr><td style="text-align: right;">4</td><td></td><td></td><td></td></tr> <tr><td style="text-align: right;">7</td><td></td><td></td><td></td></tr> <tr><td style="text-align: right;">5</td><td></td><td></td><td></td></tr> <tr><td style="text-align: right;">1</td><td></td><td></td><td></td></tr> <tr><td style="text-align: right;">0</td><td></td><td></td><td></td></tr> <tr><td style="text-align: right;">6</td><td></td><td></td><td></td></tr> <tr><td style="text-align: right;">0</td><td></td><td></td><td></td></tr> </table>	.	4	6	2	4				7				5				1				0				6				0				<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="text-align: right;">.</td><td>5</td><td>7</td><td>3</td></tr> <tr><td style="text-align: right;">2</td><td></td><td></td><td></td></tr> <tr><td style="text-align: right;">5</td><td></td><td></td><td></td></tr> <tr><td style="text-align: right;">1</td><td></td><td></td><td></td></tr> <tr><td style="text-align: right;">0</td><td></td><td></td><td></td></tr> <tr><td style="text-align: right;">3</td><td></td><td></td><td></td></tr> <tr><td style="text-align: right;">6</td><td></td><td></td><td></td></tr> <tr><td style="text-align: right;">9</td><td></td><td></td><td></td></tr> </table>	.	5	7	3	2				5				1				0				3				6				9				<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="text-align: right;">.</td><td>1</td><td>8</td><td>6</td></tr> <tr><td style="text-align: right;">5</td><td></td><td></td><td></td></tr> <tr><td style="text-align: right;">0</td><td></td><td></td><td></td></tr> <tr><td style="text-align: right;">1</td><td></td><td></td><td></td></tr> <tr><td style="text-align: right;">0</td><td></td><td></td><td></td></tr> <tr><td style="text-align: right;">2</td><td></td><td></td><td></td></tr> <tr><td style="text-align: right;">0</td><td></td><td></td><td></td></tr> <tr><td style="text-align: right;">6</td><td></td><td></td><td></td></tr> <tr><td style="text-align: right;">8</td><td></td><td></td><td></td></tr> </table>	.	1	8	6	5				0				1				0				2				0				6				8				<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="text-align: right;">.</td><td>3</td><td>7</td></tr> <tr><td style="text-align: right;">8</td><td></td><td></td></tr> <tr><td style="text-align: right;">4</td><td></td><td></td></tr> <tr><td style="text-align: right;">1</td><td></td><td></td></tr> <tr><td style="text-align: right;">0</td><td></td><td></td></tr> <tr><td style="text-align: right;">5</td><td></td><td></td></tr> <tr><td style="text-align: right;">6</td><td></td><td></td></tr> <tr><td style="text-align: right;">3</td><td></td><td></td></tr> </table>	.	3	7	8			4			1			0			5			6			3										
.	4	6	2																																																																																																																																				
4																																																																																																																																							
7																																																																																																																																							
5																																																																																																																																							
1																																																																																																																																							
0																																																																																																																																							
6																																																																																																																																							
0																																																																																																																																							
.	5	7	3																																																																																																																																				
2																																																																																																																																							
5																																																																																																																																							
1																																																																																																																																							
0																																																																																																																																							
3																																																																																																																																							
6																																																																																																																																							
9																																																																																																																																							
.	1	8	6																																																																																																																																				
5																																																																																																																																							
0																																																																																																																																							
1																																																																																																																																							
0																																																																																																																																							
2																																																																																																																																							
0																																																																																																																																							
6																																																																																																																																							
8																																																																																																																																							
.	3	7																																																																																																																																					
8																																																																																																																																							
4																																																																																																																																							
1																																																																																																																																							
0																																																																																																																																							
5																																																																																																																																							
6																																																																																																																																							
3																																																																																																																																							
9.	10.	11.																																																																																																																																					
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="text-align: right;">.</td><td>6</td><td>4</td><td>3</td><td>2</td></tr> <tr><td style="text-align: right;">5</td><td></td><td></td><td></td><td></td></tr> <tr><td style="text-align: right;">2</td><td></td><td></td><td></td><td></td></tr> <tr><td style="text-align: right;">7</td><td></td><td></td><td></td><td></td></tr> <tr><td style="text-align: right;">9</td><td></td><td></td><td></td><td></td></tr> </table>	.	6	4	3	2	5					2					7					9					<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="text-align: right;">.</td><td>5</td><td>8</td><td>6</td><td>4</td></tr> <tr><td style="text-align: right;">6</td><td></td><td></td><td></td><td></td></tr> <tr><td style="text-align: right;">3</td><td></td><td></td><td></td><td></td></tr> <tr><td style="text-align: right;">1</td><td></td><td></td><td></td><td></td></tr> <tr><td style="text-align: right;">0</td><td></td><td></td><td></td><td></td></tr> <tr><td style="text-align: right;">7</td><td></td><td></td><td></td><td></td></tr> </table>	.	5	8	6	4	6					3					1					0					7					<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="text-align: right;">.</td><td>3</td><td>7</td><td>6</td><td>8</td></tr> <tr><td style="text-align: right;">4</td><td></td><td></td><td></td><td></td></tr> <tr><td style="text-align: right;">6</td><td></td><td></td><td></td><td></td></tr> <tr><td style="text-align: right;">7</td><td></td><td></td><td></td><td></td></tr> <tr><td style="text-align: right;">2</td><td></td><td></td><td></td><td></td></tr> </table>	.	3	7	6	8	4					6					7					2																																																									
.	6	4	3	2																																																																																																																																			
5																																																																																																																																							
2																																																																																																																																							
7																																																																																																																																							
9																																																																																																																																							
.	5	8	6	4																																																																																																																																			
6																																																																																																																																							
3																																																																																																																																							
1																																																																																																																																							
0																																																																																																																																							
7																																																																																																																																							
.	3	7	6	8																																																																																																																																			
4																																																																																																																																							
6																																																																																																																																							
7																																																																																																																																							
2																																																																																																																																							
12A		12B																																																																																																																																					
$7+7+7+7=28$		4. . .																																																																																																																																					
$3+3+3+3+3+3=$		6. . .																																																																																																																																					
$5+5+5+5+5+5+5+5=$		. . . .																																																																																																																																					
$8+8+8=$		. . . .																																																																																																																																					
$6+6+6+6+6+6+6=$		. . . .																																																																																																																																					
$8+8+8+8+8=$		. . . .																																																																																																																																					

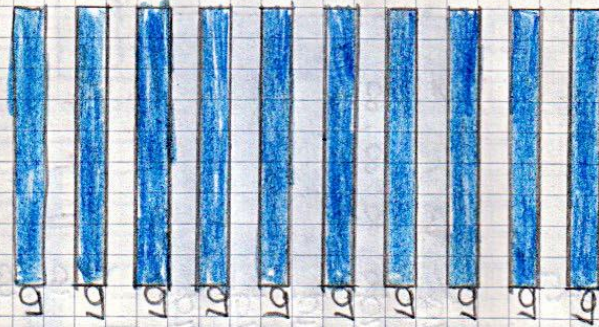


Kotaszek Hedvig: KISZÁMOLÓ Szorzás-osztás 2.o.



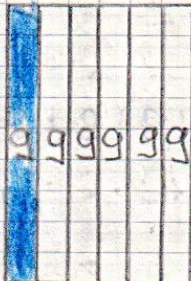
Kotaszek Hedvig: KISZÁMOLÓ Szorzás-osztás 2.o.

$$10 \cdot 9 = 90$$



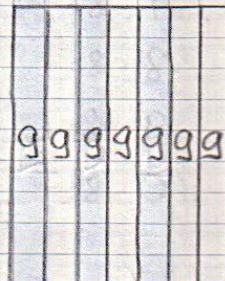
1.

2.



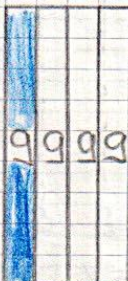
$$9 + 9 + 9 + 9 + 9 + 9 =$$

$$6 \cdot 9 =$$



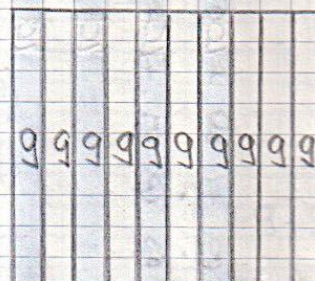
$$9 + 9 + 9 + 9 + 9 + 9 + 9 =$$

$$7 \cdot 9 =$$



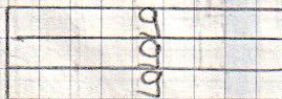
$$9 + 9 + 9 + 9 =$$

$$4 \cdot 9 =$$



$$9 + 9 + 9 + 9 + 9 + 9 + 9 + 9 + 9 + 9 =$$

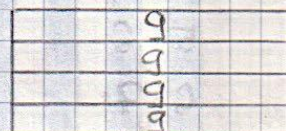
$$10 \cdot 9 =$$



$$9 + 9 + 9 =$$

$$3 \cdot 9 =$$

$$\begin{array}{l} 1 \cdot 9 \\ 2 \cdot 9 \\ 3 \cdot 9 \end{array}$$



$$9 + 9 + 9 + 9 + 9 =$$

$$5 \cdot 9 =$$

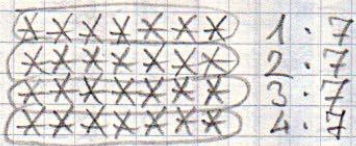
$$\begin{array}{l} 1 \cdot 9 \\ 2 \cdot 9 \\ 3 \cdot 9 \\ 4 \cdot 9 \\ 5 \cdot 9 \end{array}$$

40

Kotaszek Hedvig: KISZÁMOLÓ Szorzás-osztás 2.o.

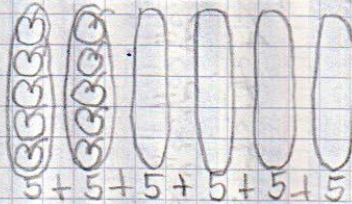
1.	2.	3.	4.
1. 9 =	1. 8 =	1. 7 =	1. 6 =
2. 9 =	2. 8 =	2. 7 =	2. 6 =
3. 9 =	3. 8 =	3. 7 =	3. 6 =
4. 9 =	4. 8 =	4. 7 =	4. 6 =
5. 9 =	5. 8 =	5. 7 =	5. 6 =
6. 9 =	6. 8 =	6. 7 =	6. 6 =
7. 9 =	7. 8 =	7. 7 =	7. 6 =
8. 9 =	8. 8 =	8. 7 =	8. 6 =
9. 9 =	9. 8 =	9. 7 =	9. 6 =
10. 9 =	10. 8 =	10. 7 =	10. 6 =
5.	6.	7.	8.
2. 8 =	3. 8 =	4. 9 =	·   3   6   9
4. 7 =	6. 4 =	2. 9 =	2   5   7
5. 6 =	4. 7 =	6. 9 =	10   3   8
5. 8 =	9. 5 =	3. 9 =	8   6   7
6. 6 =	7. 3 =	10. 9 =	4   9   7
8. 8 =	8. 6 =	5. 9 =	·   4   9   7
9. 7 =	7. 2 =	7. 9 =	5   1   3
7. 6 =	9. 8 =	1. 9 =	1   2   6
4. 8 =	5. 6 =	8. 9 =	2   5   7
10. 7 =	6. 7 =	6. 9 =	4   8   7
6. 8 =	7. 8 =	9. 9 =	7

41

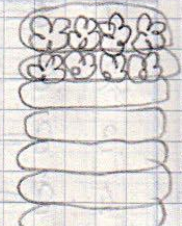


$4 \cdot 7 =$

1.

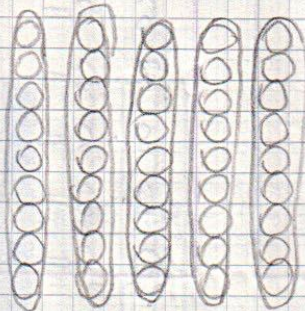


$6 \cdot 5 =$

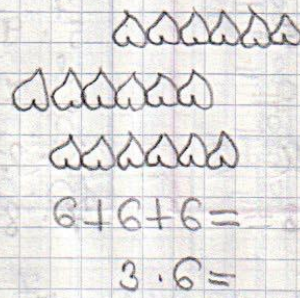


$7 \cdot 4 =$

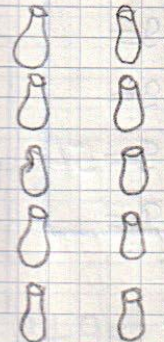
2.



$5 \cdot 9 =$



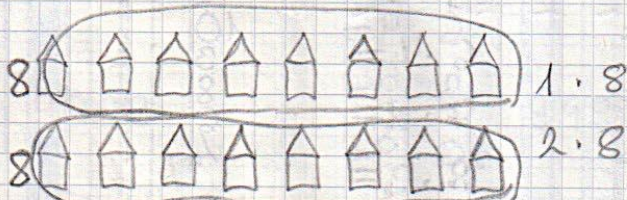
$3 \cdot 6 =$



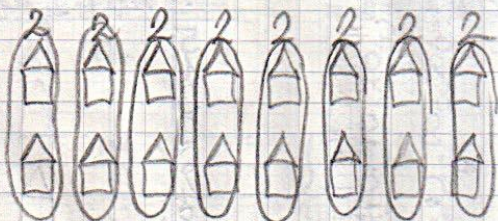
$5 + 5 =$

$2 \cdot 5 =$

3.



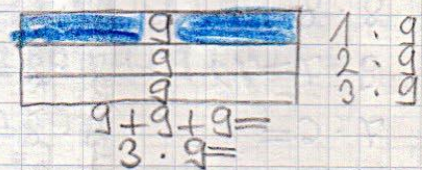
$8 + 8 =$       $2 \cdot 8 =$



$2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 =$

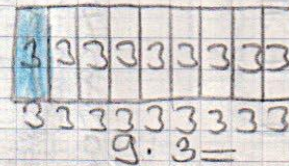
$8 \cdot 2 =$

4.



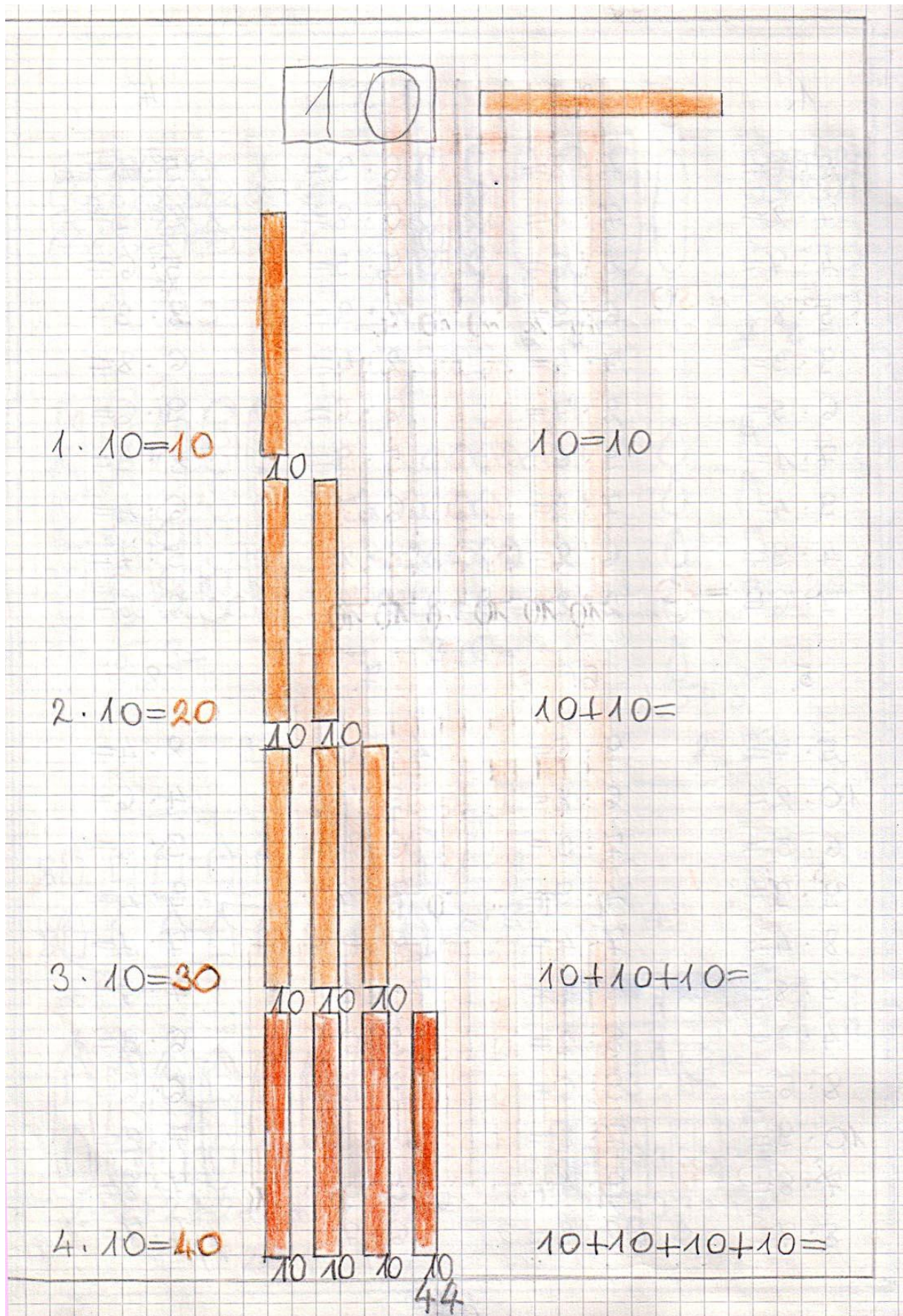
$1 \cdot 9$   
 $2 \cdot 9$   
 $3 \cdot 9$

$9 + 9 + 9 =$   
 $3 \cdot 9 =$

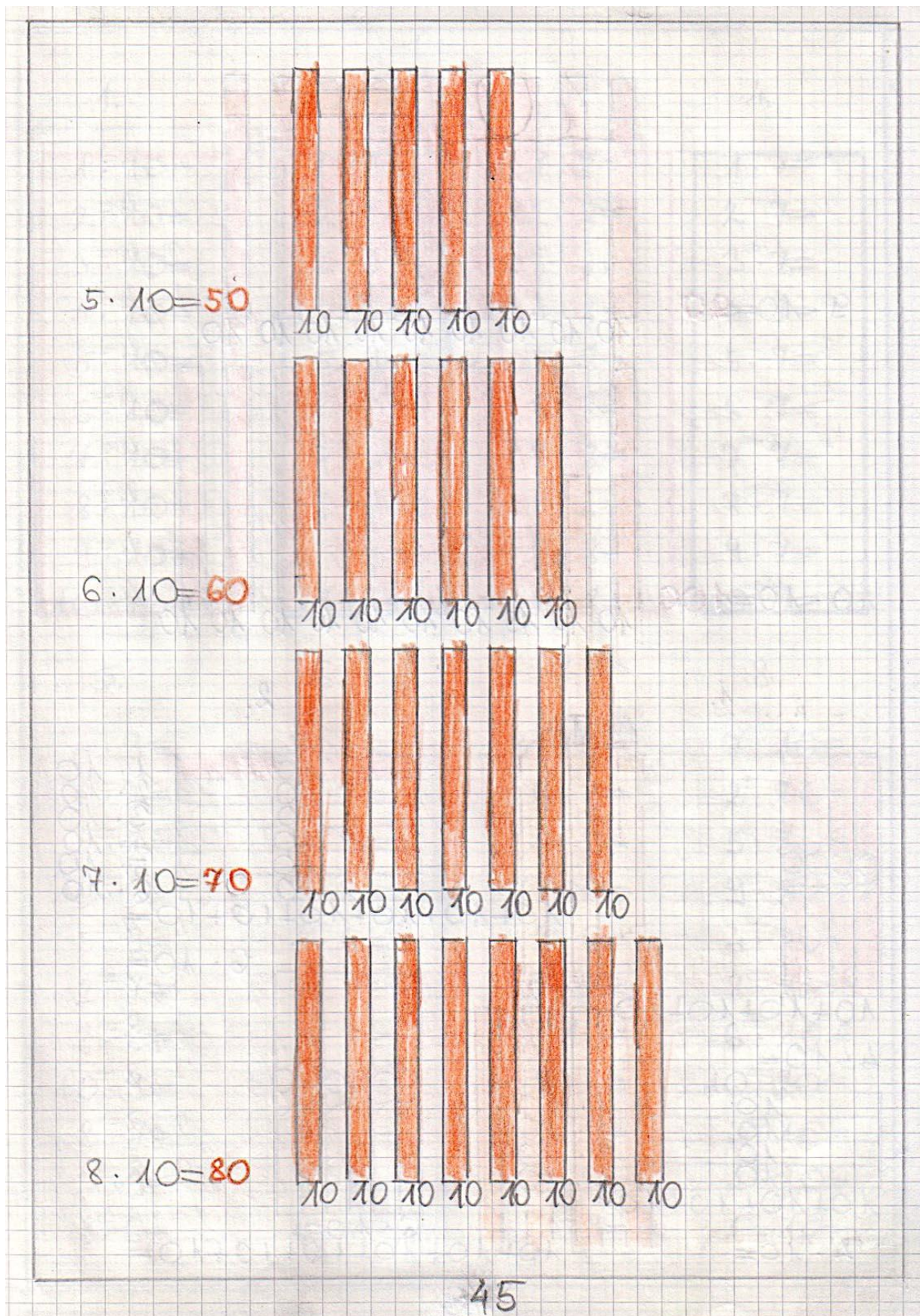


$9 \cdot 3 =$

1.	2.	3.	4.
$3 \cdot 6 =$	$4 \cdot 8 =$	$6 \cdot 3 =$	$5 \cdot 7 =$
$7 \cdot 2 =$	$7 \cdot 3 =$	$3 \cdot 8 =$	$2 \cdot 9 =$
$4 \cdot 7 =$	$8 \cdot 6 =$	$7 \cdot 5 =$	$5 \cdot 6 =$
$5 \cdot 8 =$	$6 \cdot 9 =$	$8 \cdot 9 =$	$8 \cdot 3 =$
$9 \cdot 9 =$	$7 \cdot 4 =$	$2 \cdot 4 =$	$6 \cdot 8 =$
$6 \cdot 5 =$	$2 \cdot 7 =$	$6 \cdot 6 =$	$9 \cdot 6 =$
$7 \cdot 1 =$	$9 \cdot 5 =$	$5 \cdot 9 =$	$8 \cdot 9 =$
$9 \cdot 4 =$	$7 \cdot 9 =$	$6 \cdot 7 =$	$6 \cdot 4 =$
$4 \cdot 9 =$	$6 \cdot 2 =$	$8 \cdot 2 =$	$5 \cdot 7 =$
$7 \cdot 6 =$	$2 \cdot 8 =$	$7 \cdot 8 =$	$8 \cdot 5 =$
5.	6.	7.	8.
$5 \cdot 7 =$	$9 \cdot 5 =$	$4 \cdot 10 =$	$8 \cdot 4 =$
$10 \cdot 2 =$	$6 \cdot 8 =$	$9 \cdot 7 =$	$4 \cdot 6 =$
$6 \cdot 5 =$	$7 \cdot 3 =$	$6 \cdot 4 =$	$3 \cdot 8 =$
$9 \cdot 9 =$	$4 \cdot 9 =$	$7 \cdot 9 =$	$9 \cdot 2 =$
$8 \cdot 4 =$	$7 \cdot 4 =$	$8 \cdot 3 =$	$7 \cdot 7 =$
$9 \cdot 8 =$	$8 \cdot 7 =$	$7 \cdot 10 =$	$7 \cdot 5 =$
$4 \cdot 3 =$	$8 \cdot 2 =$	$3 \cdot 6 =$	$6 \cdot 9 =$
$8 \cdot 6 =$	$9 \cdot 6 =$	$8 \cdot 8 =$	$6 \cdot 6 =$
$10 \cdot 9 =$	$7 \cdot 8 =$	$6 \cdot 10 =$	$7 \cdot 3 =$
$7 \cdot 8 =$	$9 \cdot 4 =$	$5 \cdot 5 =$	$7 \cdot 8 =$
$8 \cdot 7 =$	$2 \cdot 9 =$	$6 \cdot 7 =$	$4 \cdot 7 =$

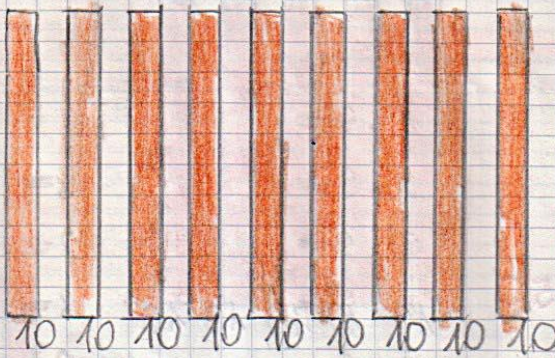


Kotaszek Hedvig: KISZÁMOLÓ Szorzás-osztás 2.o.

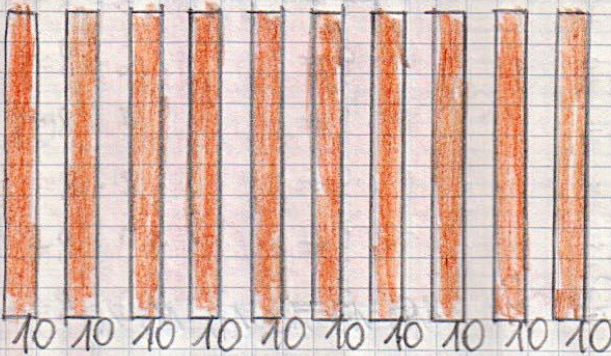


Kotaszek Hedvig: KISZÁMOLÓ Szorzás-osztás 2.o.

$9 \cdot 10 = 90$



$10 \cdot 10 = 100$



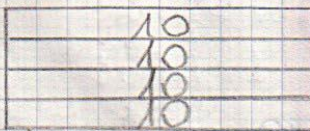
1.

2.



$10 + 10 + 10 + 10 =$

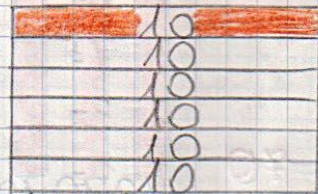
$4 \cdot 10 =$



- 1. 10
- 2. 10
- 3. 10
- 4. 10

$10 + 10 + 10 + 10 =$

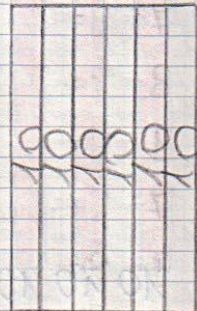
$4 \cdot 10 =$



- 1. 10
- 2. 10
- 3. 10
- 4. 10
- 5. 10
- 6. 10

$10 + 10 + 10 + 10 + 10 + 10 =$

$6 \cdot 10 =$



$6 \cdot 10 =$

$10 + 10 + 10 + 10 + 10 + 10 =$

46

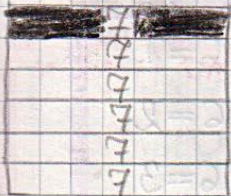
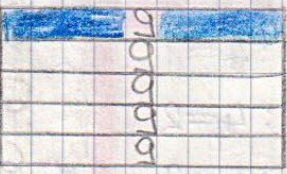


1.	2.	3.	4.
$1 \cdot 10 =$	$1 \cdot 9 =$	$1 \cdot 8 =$	$1 \cdot 7 =$
$2 \cdot 10 =$	$2 \cdot 9 =$	$2 \cdot 8 =$	$2 \cdot 7 =$
$3 \cdot 10 =$	$3 \cdot 9 =$	$3 \cdot 8 =$	$3 \cdot 7 =$
$4 \cdot 10 =$	$4 \cdot 9 =$	$4 \cdot 8 =$	$4 \cdot 7 =$
$5 \cdot 10 =$	$5 \cdot 9 =$	$5 \cdot 8 =$	$5 \cdot 7 =$
$6 \cdot 10 =$	$6 \cdot 9 =$	$6 \cdot 8 =$	$6 \cdot 7 =$
$7 \cdot 10 =$	$7 \cdot 9 =$	$7 \cdot 8 =$	$7 \cdot 7 =$
$8 \cdot 10 =$	$8 \cdot 9 =$	$8 \cdot 8 =$	$8 \cdot 7 =$
$9 \cdot 10 =$	$9 \cdot 9 =$	$9 \cdot 8 =$	$9 \cdot 7 =$
$10 \cdot 10 =$	$10 \cdot 9 =$	$10 \cdot 8 =$	$10 \cdot 7 =$
5.	6.	7.	8.
$4 \cdot 9 =$	$7 \cdot 6 =$	$3 \cdot 10 =$	$7 \cdot 10 =$
$6 \cdot 7 =$	$3 \cdot 7 =$	$6 \cdot 8 =$	$2 \cdot 10 =$
$3 \cdot 8 =$	$6 \cdot 9 =$	$4 \cdot 9 =$	$5 \cdot 10 =$
$10 \cdot 6 =$	$7 \cdot 8 =$	$7 \cdot 10 =$	$9 \cdot 10 =$
$5 \cdot 9 =$	$4 \cdot 6 =$	$2 \cdot 6 =$	$4 \cdot 10 =$
$2 \cdot 7 =$	$7 \cdot 9 =$	$7 \cdot 7 =$	$8 \cdot 10 =$
$8 \cdot 8 =$	$8 \cdot 7 =$	$10 \cdot 10 =$	$6 \cdot 10 =$
$10 \cdot 9 =$	$9 \cdot 9 =$	$8 \cdot 8 =$	$10 \cdot 10 =$
$3 \cdot 7 =$	$7 \cdot 6 =$	$2 \cdot 9 =$	$3 \cdot 10 =$
$7 \cdot 9 =$	$9 \cdot 8 =$	$5 \cdot 7 =$	$1 \cdot 10 =$
$8 \cdot 6 =$	$4 \cdot 7 =$	$9 \cdot 9 =$	$6 \cdot 10 =$

47

Kotaszek Hedvig: KISZÁMOLÓ Szorzás-osztás 2.o.

1.	2.	3.	4.
$1 \cdot 1 =$	$1 \cdot 2 =$	$1 \cdot 3 =$	$1 \cdot 4 =$
$2 \cdot 1 =$	$2 \cdot 2 =$	$2 \cdot 3 =$	$2 \cdot 4 =$
$3 \cdot 1 =$	$3 \cdot 2 =$	$3 \cdot 3 =$	$3 \cdot 4 =$
$4 \cdot 1 =$	$4 \cdot 2 =$	$4 \cdot 3 =$	$4 \cdot 4 =$
$5 \cdot 1 =$	$5 \cdot 2 =$	$5 \cdot 3 =$	$5 \cdot 4 =$
$6 \cdot 1 =$	$6 \cdot 2 =$	$6 \cdot 3 =$	$6 \cdot 4 =$
$7 \cdot 1 =$	$7 \cdot 2 =$	$7 \cdot 3 =$	$7 \cdot 4 =$
$8 \cdot 1 =$	$8 \cdot 2 =$	$8 \cdot 3 =$	$8 \cdot 4 =$
$9 \cdot 1 =$	$9 \cdot 2 =$	$9 \cdot 3 =$	$9 \cdot 4 =$
$10 \cdot 1 =$	$10 \cdot 2 =$	$10 \cdot 3 =$	$10 \cdot 4 =$
5.	6.	7.	8.
$1 \cdot 5 =$	$1 \cdot 6 =$	$1 \cdot 7 =$	$1 \cdot 8 =$
$2 \cdot 5 =$	$2 \cdot 6 =$	$2 \cdot 7 =$	$2 \cdot 8 =$
$3 \cdot 5 =$	$3 \cdot 6 =$	$3 \cdot 7 =$	$3 \cdot 8 =$
$4 \cdot 5 =$	$4 \cdot 6 =$	$4 \cdot 7 =$	$4 \cdot 8 =$
$5 \cdot 5 =$	$5 \cdot 6 =$	$5 \cdot 7 =$	$5 \cdot 8 =$
$6 \cdot 5 =$	$6 \cdot 6 =$	$6 \cdot 7 =$	$6 \cdot 8 =$
$7 \cdot 5 =$	$7 \cdot 6 =$	$7 \cdot 7 =$	$7 \cdot 8 =$
$8 \cdot 5 =$	$8 \cdot 6 =$	$8 \cdot 7 =$	$8 \cdot 8 =$
$9 \cdot 5 =$	$9 \cdot 6 =$	$9 \cdot 7 =$	$9 \cdot 8 =$
$10 \cdot 5 =$	$10 \cdot 6 =$	$10 \cdot 7 =$	$10 \cdot 8 =$

48

1.	2.	3.	4.
1 · 9 =	1 · 10 =	3 · 6 =	7 · 4 =
2 · 9 =	2 · 10 =	8 · 2 =	3 · 9 =
3 · 9 =	3 · 10 =	4 · 5 =	4 · 7 =
4 · 9 =	4 · 10 =	10 · 7 =	8 · 3 =
5 · 9 =	5 · 10 =	2 · 9 =	4 · 8 =
6 · 9 =	6 · 10 =	5 · 4 =	9 · 5 =
7 · 9 =	7 · 10 =	7 · 8 =	6 · 2 =
8 · 9 =	8 · 10 =	9 · 3 =	8 · 9 =
9 · 9 =	9 · 10 =	6 · 7 =	8 · 7 =
10 · 9 =	10 · 10 =	8 · 4 =	8 · 6 =
5.	6.		
	1. 7 2. 7 3. 7 4. 7 5. 7 6. 7		1. 9 2. 9 3. 9 4. 9 5. 9
6 · 7 =		5 · 9 =	
			
6 + 6 + 6 + 6 + 6 + 6 + 6 =		5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 =	
7 · 6 =		9 · 5 =	

# Osztás táblázat

$1 : 1 = 1$   
 $2 : 1 = 2$   
 $3 : 1 = 3$   
 $4 : 1 = 4$   
 $5 : 1 = 5$   
 $6 : 1 = 6$   
 $7 : 1 = 7$   
 $8 : 1 = 8$   
 $9 : 1 = 9$   
 $10 : 1 = 10$

$2 : 2 = 1$   
 $4 : 2 = 2$   
 $6 : 2 = 3$   
 $8 : 2 = 4$   
 $10 : 2 = 5$   
 $12 : 2 = 6$   
 $14 : 2 = 7$   
 $16 : 2 = 8$   
 $18 : 2 = 9$   
 $20 : 2 = 10$

$3 : 3 = 1$   
 $6 : 3 = 2$   
 $9 : 3 = 3$   
 $12 : 3 = 4$   
 $15 : 3 = 5$   
 $18 : 3 = 6$   
 $21 : 3 = 7$   
 $24 : 3 = 8$   
 $27 : 3 = 9$   
 $30 : 3 = 10$

$4 : 4 = 1$   
 $8 : 4 = 2$   
 $12 : 4 = 3$   
 $16 : 4 = 4$   
 $20 : 4 = 5$   
 $24 : 4 = 6$   
 $28 : 4 = 7$   
 $32 : 4 = 8$   
 $36 : 4 = 9$   
 $40 : 4 = 10$

$5 : 5 = 1$   
 $10 : 5 = 2$   
 $15 : 5 = 3$   
 $20 : 5 = 4$   
 $25 : 5 = 5$   
 $30 : 5 = 6$   
 $35 : 5 = 7$   
 $40 : 5 = 8$   
 $45 : 5 = 9$   
 $50 : 5 = 10$

$6 : 6 = 1$   
 $12 : 6 = 2$   
 $18 : 6 = 3$   
 $24 : 6 = 4$   
 $30 : 6 = 5$   
 $36 : 6 = 6$   
 $42 : 6 = 7$   
 $48 : 6 = 8$   
 $54 : 6 = 9$   
 $60 : 6 = 10$

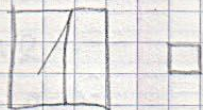
$$\begin{array}{l} 7 : 7 = 1 \\ 14 : 7 = 2 \\ 21 : 7 = 3 \\ 28 : 7 = 4 \\ 35 : 7 = 5 \\ 42 : 7 = 6 \\ 49 : 7 = 7 \\ 56 : 7 = 8 \\ 63 : 7 = 9 \\ 70 : 7 = 10 \end{array}$$

$$\begin{array}{l} 8 : 8 = 1 \\ 16 : 8 = 2 \\ 24 : 8 = 3 \\ 32 : 8 = 4 \\ 40 : 8 = 5 \\ 48 : 8 = 6 \\ 56 : 8 = 7 \\ 64 : 8 = 8 \\ 72 : 8 = 9 \\ 80 : 8 = 10 \end{array}$$

$$\begin{array}{l} 9 : 9 = 1 \\ 18 : 9 = 2 \\ 27 : 9 = 3 \\ 36 : 9 = 4 \\ 45 : 9 = 5 \\ 54 : 9 = 6 \\ 63 : 9 = 7 \\ 72 : 9 = 8 \\ 81 : 9 = 9 \\ 90 : 9 = 10 \end{array}$$

$$\begin{array}{l} 10 : 10 = 1 \\ 20 : 10 = 2 \\ 30 : 10 = 3 \\ 40 : 10 = 4 \\ 50 : 10 = 5 \\ 60 : 10 = 6 \\ 70 : 10 = 7 \\ 80 : 10 = 8 \\ 90 : 10 = 9 \\ 100 : 10 = 10 \end{array}$$

# OSZTÁS



$1 : 1 = 1$



$2 : 1 = 2$



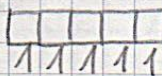
$3 : 1 = 3$



$4 : 1 = 4$



$5 : 1 = 5$



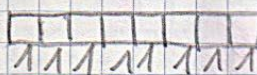
$6 : 1 = 6$



$7 : 1 = 7$



$8 : 1 = 8$



$9 : 1 = 9$



$10 : 1 = 10$



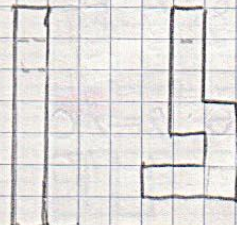
$8 : 1 =$



$10 : 1 =$



$6 : 1 =$





$7 : 1 =$


$9 : 1 =$


52


2: 2


2: 2=1 


4: 2=2 


6: 2=3 


8: 2=4 


10: 2=5 

12: 2=6 

14: 2=7 

16: 2=8 




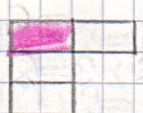

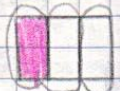



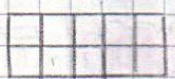
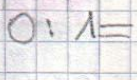
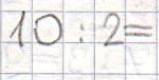



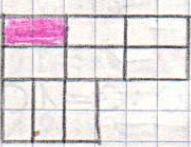

18: 2=9 

20: 2=10 

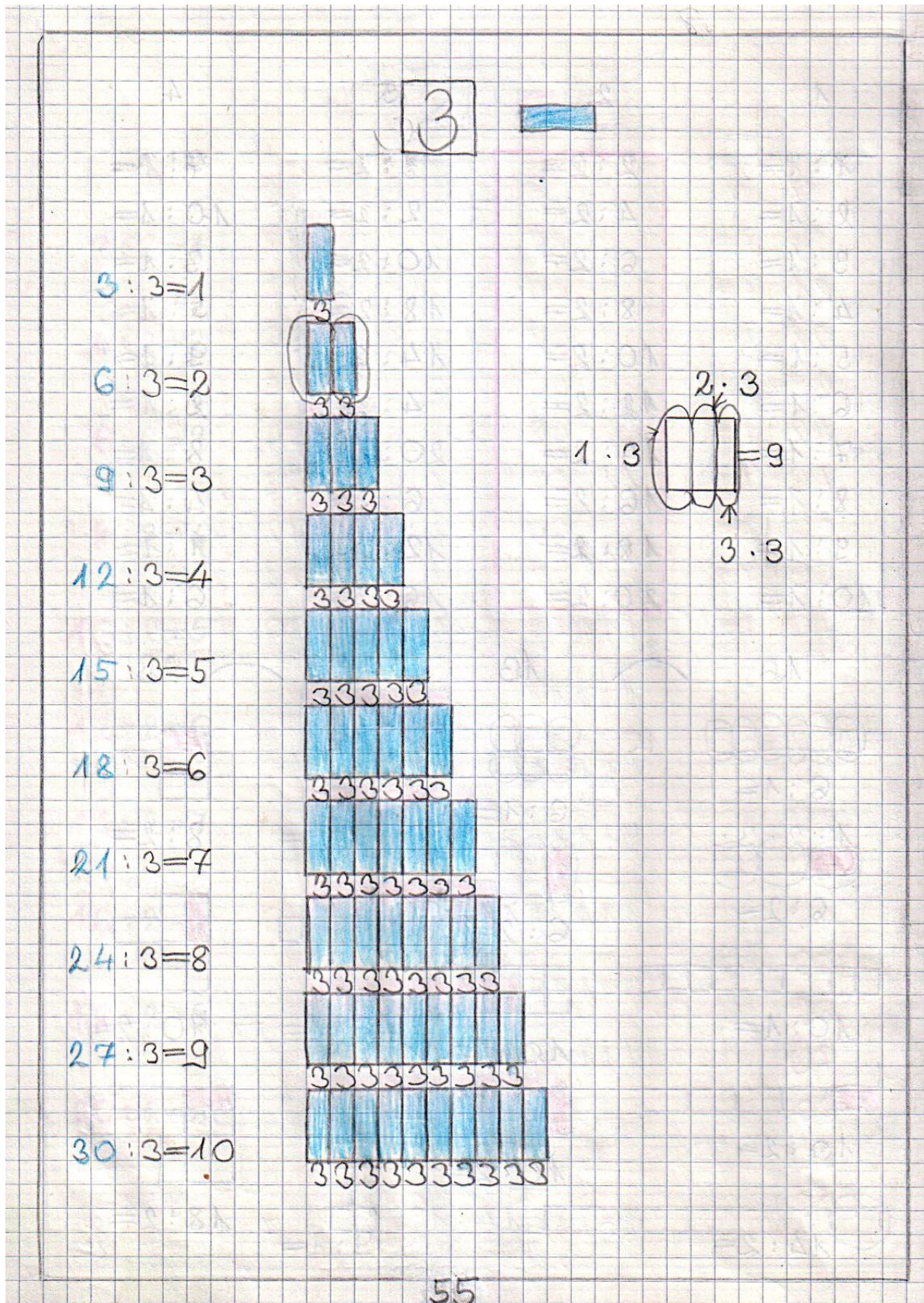
53

1.	2.	3.	4.
1:1=	2:2=	8:2=	7:1=
2:1=	4:2=	2:2=	10:1=
3:1=	6:2=	10:2=	3:1=
4:1=	8:2=	18:2=	5:1=
5:1=	10:2=	14:2=	9:1=
6:1=	12:2=	4:2=	2:1=
7:1=	14:2=	20:2=	8:1=
8:1=	16:2=	6:2=	4:1=
9:1=	18:2=	12:2=	1:1=
10:1=	20:2=	16:2=	6:1=

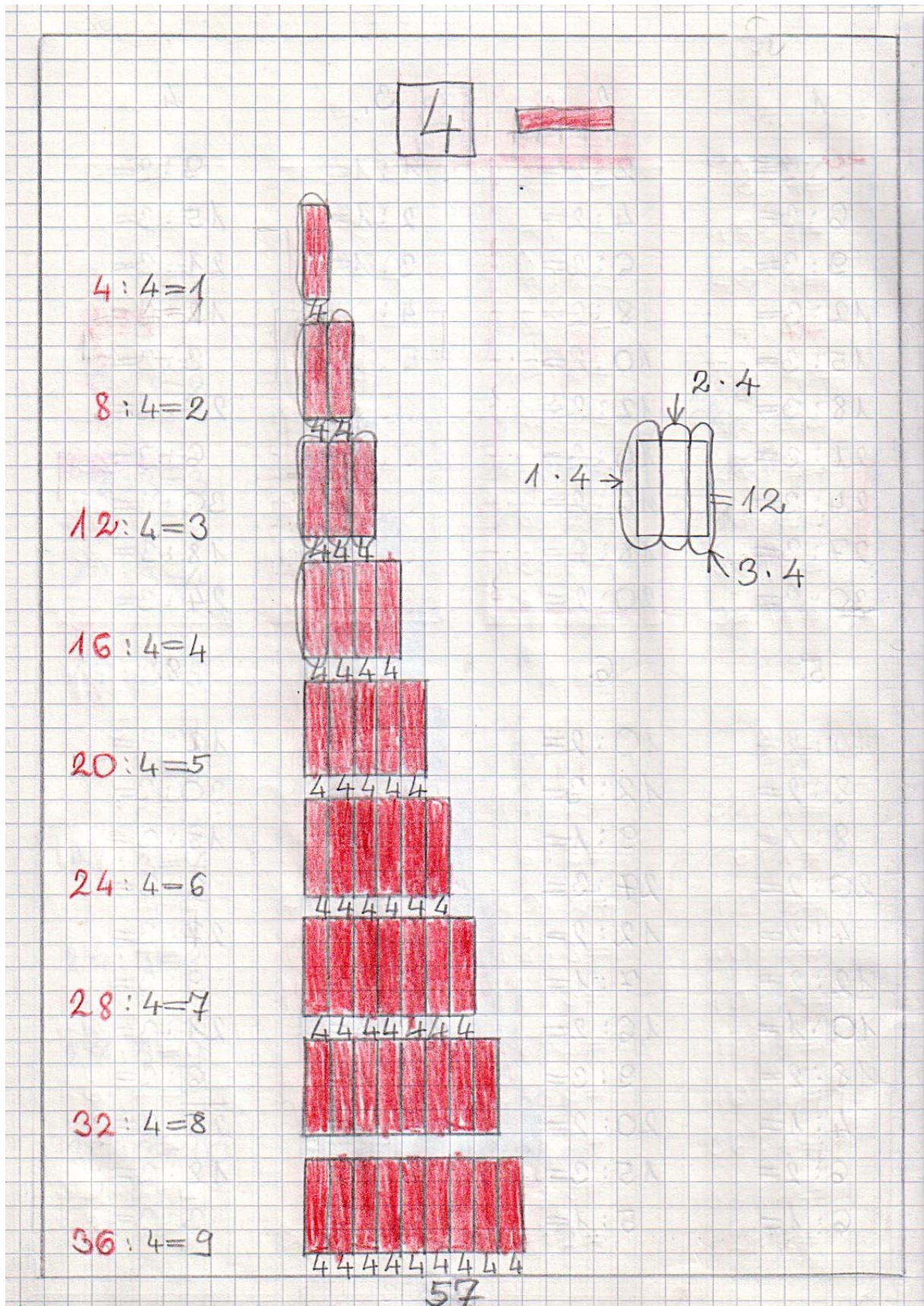
1A	1B	2A	2B
 6:1=	 6:1=	 8:1=	 8:2=
 6:2=	 6:2=	 10:1=	 10:2=
 10:1=	 10:1=	 10:1=	 10:2=
 10:2=	 10:2=	 9:1=	 18:2=
 14:2=			

54



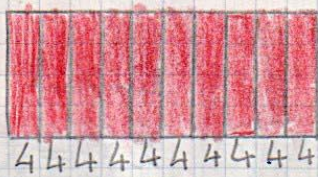
Kotaszek Hedvig: KISZÁMOLÓ Szorzás-osztás 2.o.

1.	2.	3.	4.
$3:3=$	$2:2=$	$1:1=$	$9:3=$
$6:3=$	$4:2=$	$2:1=$	$15:3=$
$9:3=$	$6:2=$	$3:1=$	$21:3=$
$12:3=$	$8:2=$	$4:1=$	$12:3=$
$15:3=$	$10:2=$	.....	$3:3=$
$18:3=$	$12:2=$	.....	$27:3=$
$21:3=$	$14:2=$	.....	$6:3=$
$24:3=$	$16:2=$	.....	$30:3=$
$27:3=$	$18:2=$	.....	$18:3=$
$30:3=$	$20:2=$	.....	$24:3=$
5.	6.	7.	8.
$14:2=$	$10:2=$	$4:2=$	$12:3=$
$8:2=$	$12:3=$	$4:1=$	$30:3=$
$8:1=$	$9:1=$	$12:3=$	$15:3=$
$20:2=$	$27:3=$	$12:2=$	$3:3=$
$4:2=$	$12:2=$	$8:1=$	$27:3=$
$12:2=$	$7:1=$	$8:2=$	$9:3=$
$10:1=$	$16:2=$	$18:3=$	$21:3=$
$18:2=$	$9:3=$	$18:2=$	$6:3=$
$4:1=$	$20:2=$	$6:3=$	$24:3=$
$6:2=$	$15:3=$	$6:1=$	$18:3=$
$6:1=$	$5:1=$	$6:2=$	$3:3=$



Kotaszek Hedvig: KISZÁMOLÓ Szorzás-osztás 2.o.

$40 : 4 = 10$



1.A



$16 : 4 =$

1.B



$16 : 2 =$

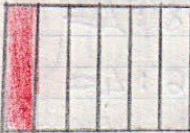
2.



$12 : 3 =$



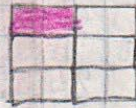
$12 : 4 =$



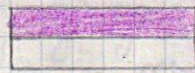
$24 : 4 =$



$24 : 3 =$

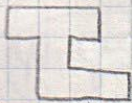


$12 : 2 =$



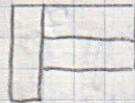
$12 : 6 =$

3.



$7 : 1 =$

4.



$9 : 3 =$

5.

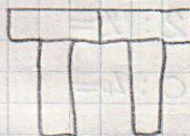


$8 : 2 =$

6.



$8 : 4 =$



$12 : 3 =$



$20 : 4 =$



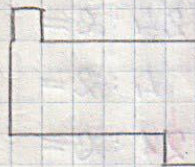
$24 : 4 =$



$14 : 2 =$



$12 : 4 =$



$20 : 2 =$



$10 : 2 =$



$28 : 4 =$

58

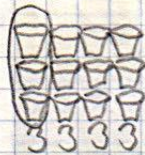
1.	2.	3.	4.
$4:4=$	$3:3=$	$2:2=$	$8:4=$
$8:4=$	$6:3=$	$4:2=$	$16:4=$
$12:4=$	$9:3=$	$6:2=$	$40:4=$
$16:4=$	$12:3=$	$8:2=$	$4:4=$
$20:4=$	$15:3=$	$10:2=$	$24:4=$
$24:4=$	$18:3=$	$12:2=$	$12:4=$
$28:4=$	$21:3=$	$14:2=$	$28:4=$
$32:4=$	$24:3=$	$16:2=$	$16:4=$
$36:4=$	$27:3=$	$18:2=$	$36:4=$
$40:4=$	$30:3=$	$20:2=$	$32:4=$
5.	6.	7.	8.
$12:2=$	$15:3=$	$14:2=$	$32:4=$
$12:4=$	$7:1=$	$6:3=$	$6:1=$
$6:2=$	$21:3=$	$20:2=$	$12:2=$
$20:4=$	$12:3=$	$18:3=$	$40:4=$
$20:2=$	$10:1=$	$15:3=$	$10:1=$
$18:2=$	$4:1=$	$16:2=$	$18:2=$
$16:4=$	$27:3=$	$24:3=$	$10:2=$
$16:2=$	$9:3=$	$4:2=$	$36:4=$
$10:2=$	$9:1=$	$21:3=$	$12:4=$
$8:4=$	$30:3=$	$10:2=$	$12:2=$

59

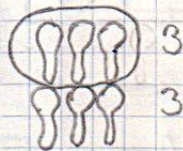
1.



12 : 4 =



12 : 3 =

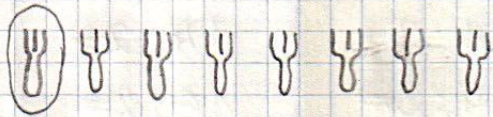


6 : 3 =



6 : 2 =

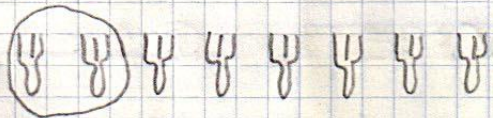
2.



8 : 1 =



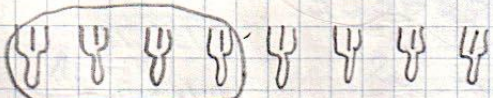
9 : 3 =



8 : 2 =

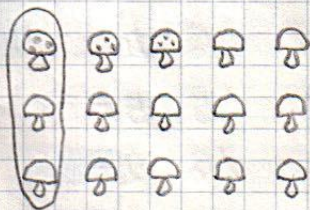


16 : 4 =

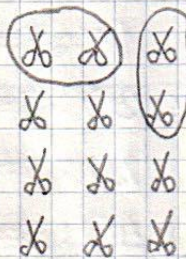


8 : 4 =

3.

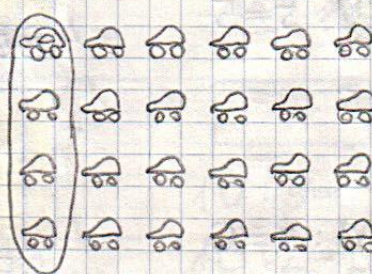


15 : 3 =

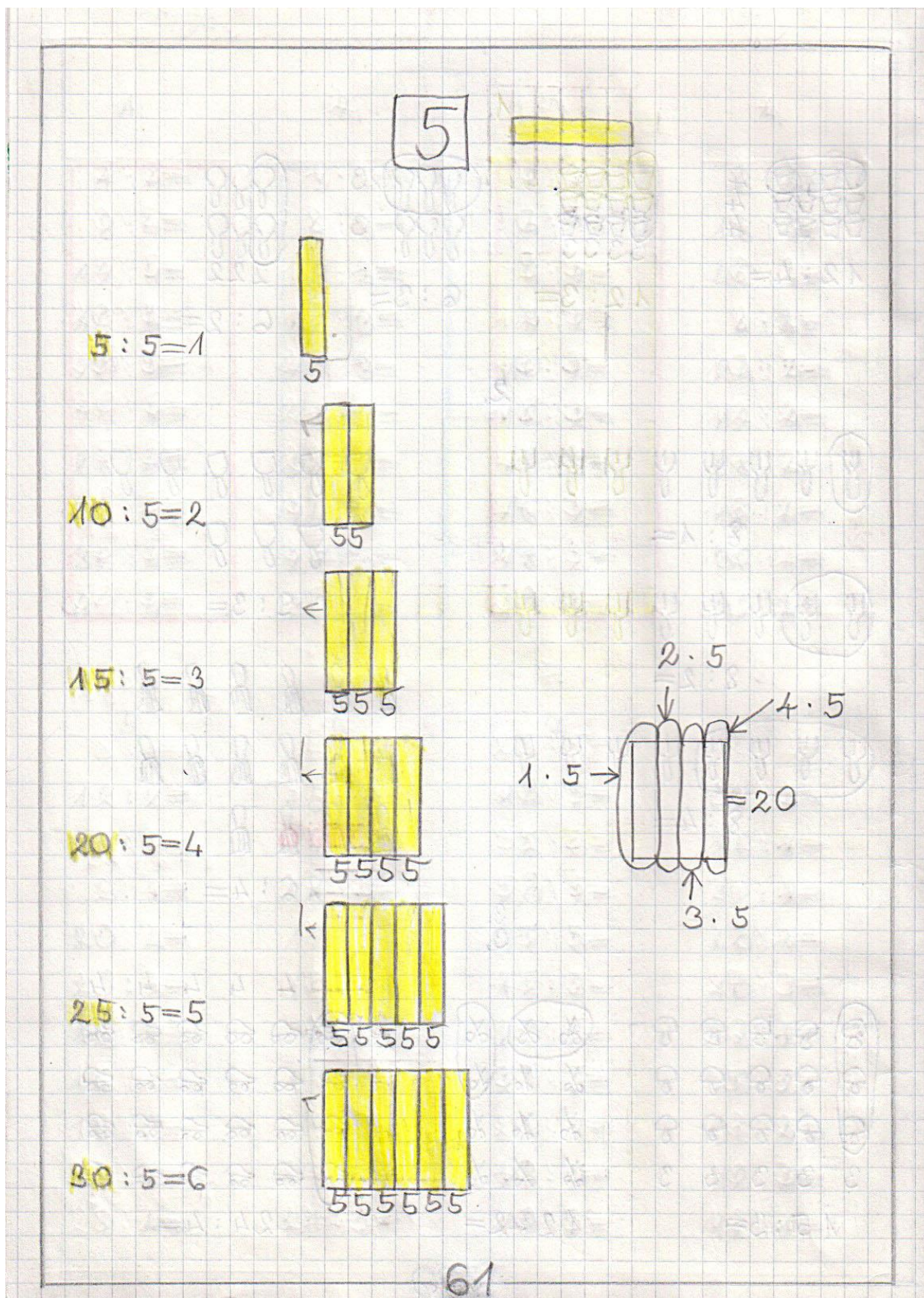


12 : 2 =

4 4 4 4 4 4

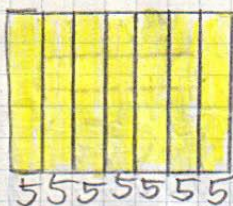


24 : 4 =

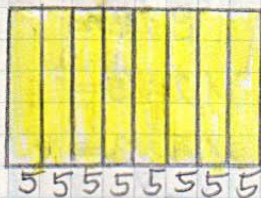


Kotaszek Hedvig: KISZÁMOLÓ Szorzás-osztás 2.o.

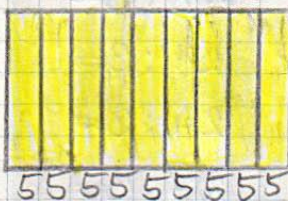
$35 : 5 = 7$



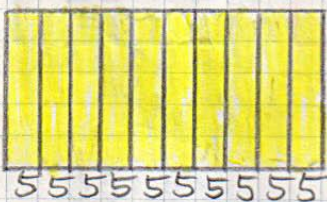
$40 : 5 = 8$



$45 : 5 = 9$



$50 : 5 = 10$



1.



$15 : 5 =$

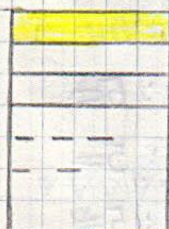


$15 : 3 =$



$15 : 3 =$

2.



$35 : 5 =$



$35 : 5 =$

3.

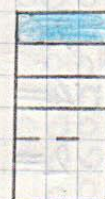


$28 : 4 =$



$40 : 5 =$

4.



$18 : 3 =$



$10 : 5 =$

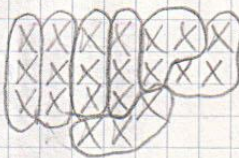

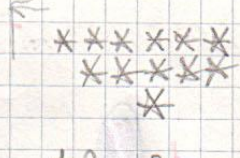
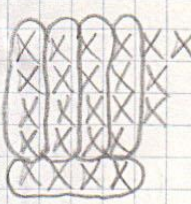


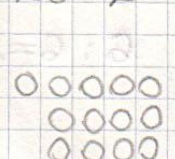


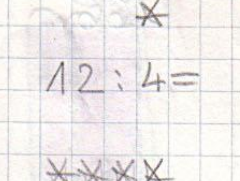
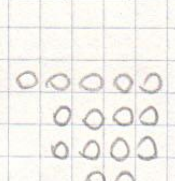
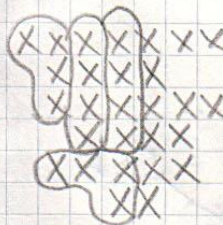
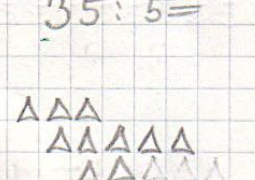
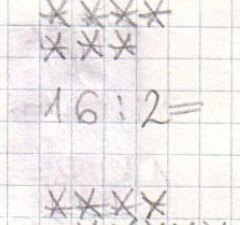
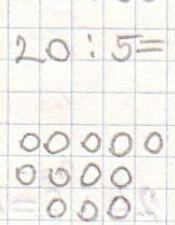
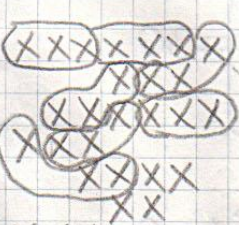

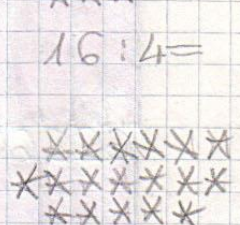
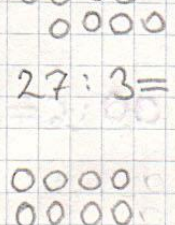

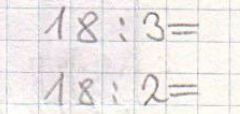
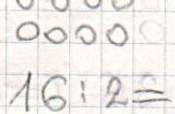
$10 : 2 =$

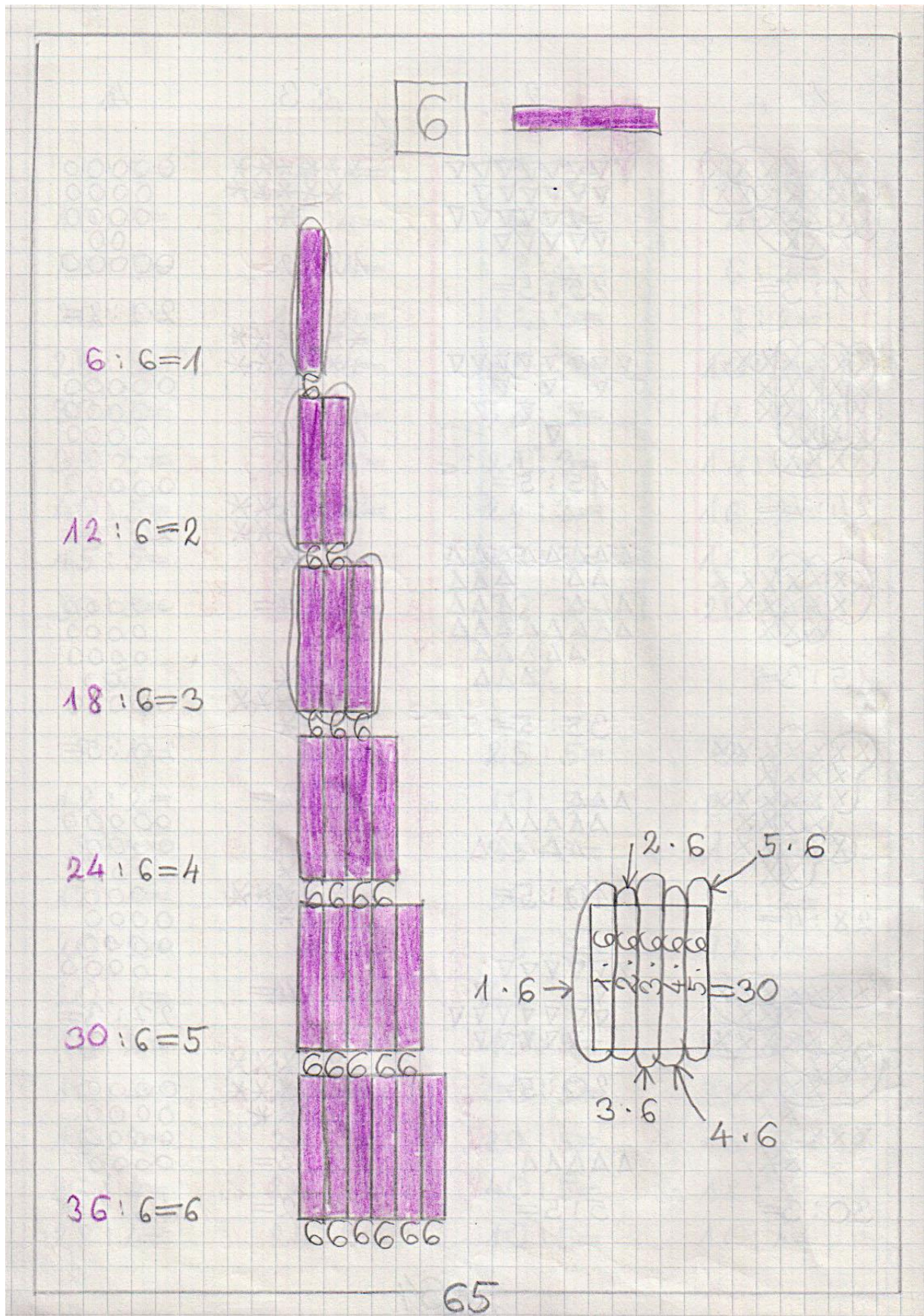
62

Sz

1.	2.	3.	4.
$5:5=$	$4:4=$	$3:3=$	$2:2=$
$10:5=$	$8:4=$	$6:3=$	$4:2=$
$15:5=$	$12:4=$	$9:3=$	$6:2=$
$20:5=$	$16:4=$	$12:3=$	$8:2=$
$25:5=$	$20:4=$	$15:3=$	$10:2=$
$30:5=$	$24:4=$	$18:3=$	$12:2=$
$35:5=$	$28:4=$	$21:3=$	$14:2=$
$40:5=$	$32:4=$	$24:3=$	$16:2=$
$45:5=$	$36:4=$	$27:3=$	$18:2=$
$50:5=$	$40:4=$	$30:3=$	$20:2=$
5.	6.	7.	8.
$8:4=$	$9:3=$	$25:5=$	$12:2=$
$12:2=$	$32:4=$	$10:5=$	$24:3=$
$8:2=$	$18:2=$	$35:5=$	$12:4=$
$12:4=$	$27:3=$	$50:5=$	$24:4=$
$20:2=$	$7:1=$	$5:5=$	$12:4=$
$20:4=$	$40:4=$	$45:5=$	$27:3=$
$16:2=$	$4:2=$	$15:5=$	$36:4=$
$16:4=$	$14:2=$	$30:5=$	$35:5=$
$18:2=$	$21:3=$	$20:5=$	$16:2=$
$36:4=$	$24:4=$	$40:5=$	$18:3=$
$28:4=$	$24:3=$	$10:5=$	$16:4=$

63

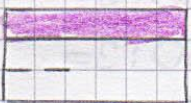

1.	2.	3.	4.
 $21 : 3 =$	 $25 : 5 =$	 $12 : 2 =$	 $20 : 2 =$
 $24 : 4 =$	 $15 : 5 =$	 $12 : 3 =$	 $20 : 4 =$
 $15 : 3 =$	 $35 : 5 =$	 $16 : 4 =$	 $20 : 5 =$
 $28 : 4 =$	 $10 : 5 =$	 $16 : 4 =$	 $27 : 3 =$
 $30 : 3 =$	 $20 : 5 =$	 $18 : 3 =$	 $16 : 2 =$
	 $5 : 5 =$	 $18 : 2 =$	 $16 : 2 =$

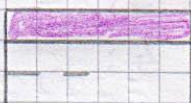
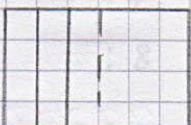


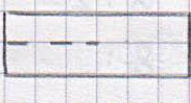
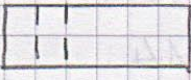

Kotaszek Hedvig: KISZÁMOLÓ Szorzás-osztás 2.o.



Handwritten mathematical exercises on grid paper, including division problems and visual representations using colored bars and boxes.

$42 : 6 = 7$   
 $48 : 6 = 8$   
 $54 : 6 = 9$   
 $60 : 6 = 10$

1A   $18 : 6 =$   
 1B   $18 : 3 =$

2.   $24 : 6 =$   
  $24 : 4 =$

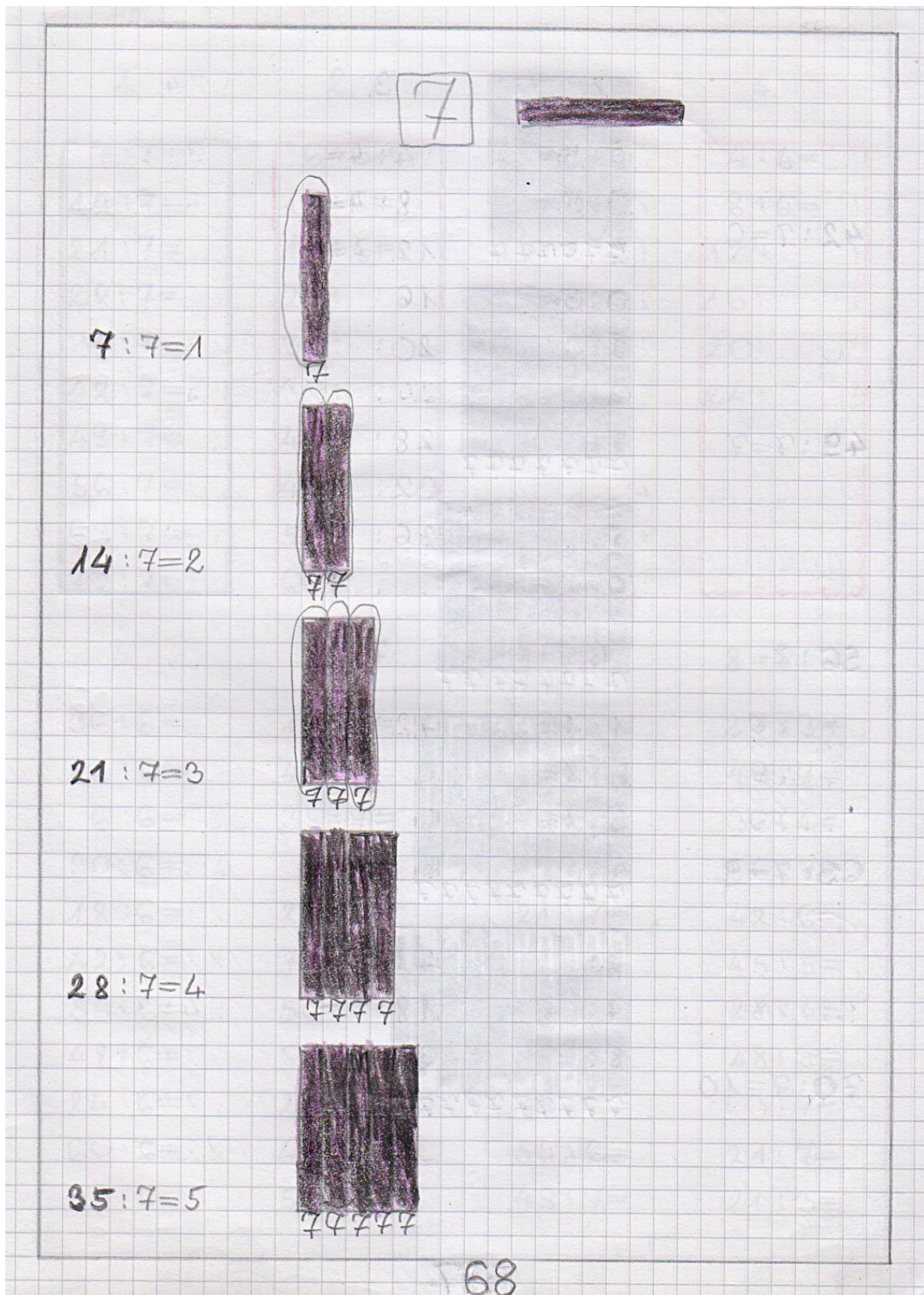
3.   $12 : 6 =$   
  $12 : 2 =$   
  $12 : 4 =$

  $6 : 6 =$   
  $6 : 3 =$

66

Kotaszek Hedvig: KISZÁMOLÓ Szorzás-osztás 2.o.

1.	2.	3.	4.
6:6=	5:5=	4:4=	3:3=
12:6=	10:5=	8:4=	6:3=
18:6=	15:5=	12:4=	9:
24:6=	20:5=	16:	12:
30:6=	25:	20:	15:
36:6=	30:	24:	18:
42:6=	35:	28:	21:
48:6=	40	32:	.....
54:6=	45	36:	.....
60:6=	50	.....	.....
5.	6.	7.	8.
2:2=	1:1=	42:6=	6:3=
4:2=	2:1=	12:6=	6:6=
6:2=	3:1=	60:6=	30:6=
8:	4:	24:6=	30:3=
10:	5:	6:6=	18:6=
12:	6:	48:6=	18:3=
14:	7:	18:6=	24:3=
16:	8:	30:6=	24:6=
18:	.....	54:6=	12:6=
.....	.....	36:6=	12:3=
.....	.....	48:6=	9:3=



Kotaszek Hedvig: KISZÁMOLÓ Szorzás-osztás 2.o.

Handwritten mathematical problems on grid paper, each with a corresponding visual representation using colored pencils:

- $42 : 7 = 6$  (represented by 6 vertical purple strokes)
- $49 : 7 = 7$  (represented by 7 vertical purple strokes)
- $56 : 7 = 8$  (represented by 8 vertical purple strokes)
- $63 : 7 = 9$  (represented by 9 vertical purple strokes)
- $70 : 7 = 10$  (represented by 10 vertical purple strokes)

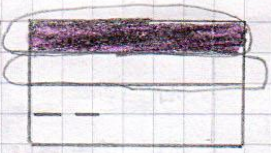
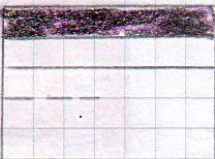
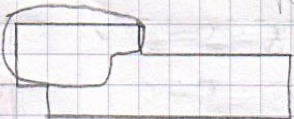
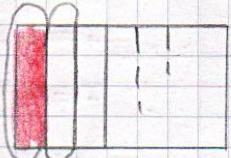


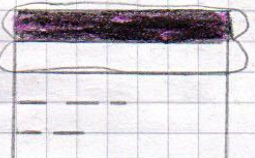
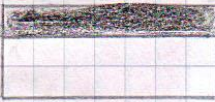

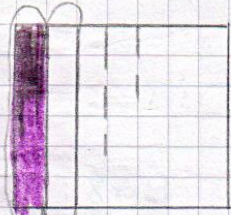


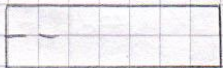


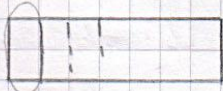
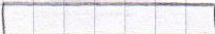
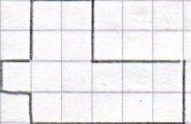
69

Kotaszek Hedvig: KISZÁMOLÓ Szorzás-osztás 2.o.

1.	2.	3.	4.
$7:7=$	$6:6=$	$5:5=$	$4:4=$
$14:7=$	$12:6=$	$10:5=$	$8:4=$
$21:7=$	$18:6=$	$15:$	$12:$
$28:7=$	$24:$	$20:$	$16:$
$35:7=$	$30:$	$\dots$	$20:$
$42:7=$	$36:$	$\dots$	$24:$
$49:7=$	$42:$	$\dots$	$\dots$
$56:7=$	$48:$	$\dots$	$\dots$
$63:7=$	$54:$	$\dots$	$\dots$
$70:7=$	$60:$	$\dots$	$\dots$
5.	6.	7.	8.
$36:6=$	$14:7=$	$18:6=$	$27:3=$
$12:6=$	$49:7=$	$42:7=$	$49:7=$
$6:6=$	$35:7=$	$63:7=$	$36:4=$
$30:6=$	$7:7=$	$48:6=$	$56:7=$
$18:6=$	$21:7=$	$21:7=$	$42:6=$
$42:6=$	$70:7=$	$54:6=$	$45:5=$
$54:6=$	$56:7=$	$28:7=$	$28:4=$
$48:6=$	$63:7=$	$56:7=$	$48:6=$
$24:6=$	$28:7=$	$24:6=$	$63:7=$
$60:6=$	$42:7=$	$54:6=$	$21:7=$
$48:6=$	$56:7=$	$49:7=$	$21:3=$

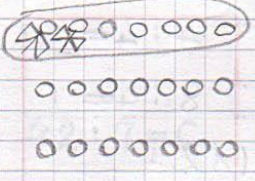
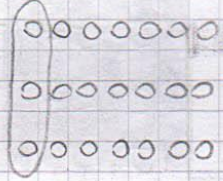
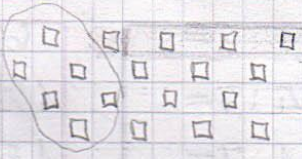
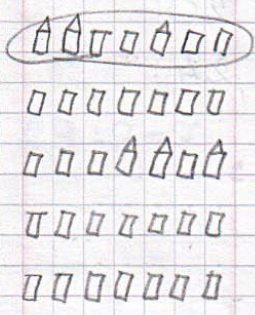
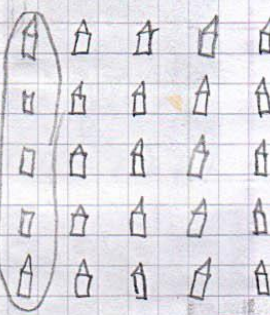
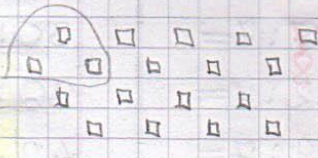
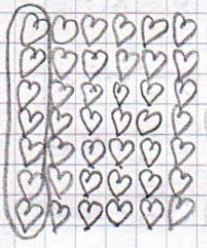


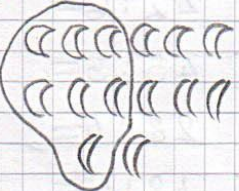
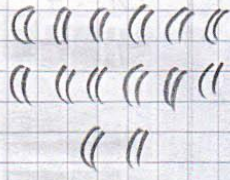
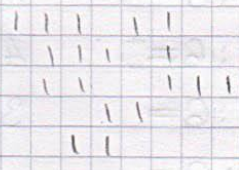



70

Kotaszek Hedvig: KISZÁMOLÓ Szorzás-osztás 2.o.

1.	2.	3.
		
$28 : 7 =$	$35 : 7 =$	$21 : 7 =$
		
$28 : 4 =$	$35 : 5 =$	$21 : 3 =$
		
$42 : 7 =$	$21 : 7 =$	$24 : 6 =$
		
$42 : 6 =$	$21 : 3 =$	$24 : 4 =$
		
$14 : 7 =$	$49 : 7 =$	$15 : 5 =$
		
$14 : 2 =$	$7 : 7 =$	$15 : 3 =$

71

Kotaszek Hedvig: KISZÁMOLÓ Szorzás-osztás 2.o.

1.A	1.B	2.
 $21 : 7 =$	 $21 : 3 =$	 $18 : 6 =$
 $35 : 7 =$	 $35 : 5 =$	 $18 : 3 =$
 $42 : 7 =$	 $42 : 6 =$	 $36 : 4 =$
 $14 : 7 =$	 $14 : 2 =$	 $18 : 2 =$
 $8 : 4 =$	 $8 : 2 =$	 $48 : 6 =$

8

8 : 8 = 1

16 : 8 = 2

24 : 8 = 3

32 : 8 = 4

40 : 8 = 5

73

Kotaszek Hedvig: KISZÁMOLÓ Szorzás-osztás 2.o.

The image shows a series of five math problems on grid paper, each with a red-shaded block representing the dividend and small '8' symbols representing the divisor. The problems are:

- $48 : 8 = 6$  (6 blocks of 8)
- $56 : 8 = 7$  (7 blocks of 8)
- $64 : 8 = 8$  (8 blocks of 8)
- $72 : 8 = 9$  (9 blocks of 8)
- $80 : 8 = 10$  (10 blocks of 8)

At the bottom center of the page, the number 74 is written.

Kotaszek Hedvig: KISZÁMOLÓ Szorzás-osztás 2.o.

1.	2.	3.	4.
$8 : 8 =$	$7 : 7 =$	$8 : 8 =$	$7 : 7 =$
$16 : 8 =$	$14 : 7 =$	$16 : 8 =$	$14 : 7 =$
$24 : 8 =$	$21 : 7 =$	$24 : 8 =$	$.. : 7 = 3$
$32 : 8 =$	$28 : 7 =$	$.. : 8 = 4$	$.. : 7 = 4$
$40 : 8 =$	$35 : 7 =$	$.. : 8 = 5$	$.. : 7 = .$
$48 : 8 =$	$42 : 7 =$	$.. : 8 = 6$	$.. : 7 = .$
$56 : 8 =$	$49 : 7 =$	$.. : 8 = .$	$.. : 7 = .$
$64 : 8 =$	$56 : 7 =$	$.. : 8 = .$	$.. : 7 = .$
$72 : 8 =$	$63 : 7 =$	$.. : 8 = .$	$.. : 7 = .$
$80 : 8 =$	$70 : 7 =$	$.. : 8 =$	$.. : 7 = .$
5.	6.	7.	8.
$6 : 6 =$	$5 : 5 =$	$4 : 4 =$	$3 : 3 =$
$12 : 6 =$	$10 : 5 =$	$8 : 4 =$	$6 : 3 =$
$18 : 6 =$	$.. : 5 = 3$	$12 : 4 =$	$9 : 3 =$
$.. : 6 = 4$	$.. : 5 = 4$	$.. : 4 =$	$.. : 3 =$
$.. : 6 = 5$	$.. : 5 = .$	$.. : 4 =$	$.. : 3 =$
$.. : 6 = 6$	$.. : 5 = .$	$.. : 4 =$	$.. : 3 =$
$.. : 6 = .$	$.. : 5 = .$	$.. : 4 =$	$.. : 3 =$
$.. : 6 = .$	$.. : 5 = .$	$.. : 4 =$	$.. : 3 =$
$.. : 6 = .$	$.. : 5 = .$	$.. : 4 =$	$.. : 3 =$
$.. : 6 = .$	$.. : 5 = .$	$.. : 4 =$	$.. : 3 =$

1.	2.	3.	4.
$2:2=$	$1:1=$	$16:8=$	$35:7=$
$4:2=$	$2:1=$	$40:8=$	$7:7=$
$6:$	$3:1$	$56:8=$	$56:7=$
.....	$4:1$	$72:8=$	$28:7=$
1.....	$5:1$	$32:8=$	$63:7=$
.....	$6:1$	$24:8=$	$14:7=$
.....	$7:1$	$48:8=$	$42:7=$
.....	$8:1$	$64:8=$	$70:7=$
.....	$9:1$	$8:8=$	$21:7=$
.....	$10:1$	$80:8=$	$49:7=$
5.	6.	7.	8.
$16:2=$	$32:8=$	$48:8=$	$56:8=$
$24:8=$	$49:7=$	$36:6=$	$27:3=$
$36:4=$	$40:8=$	$36:4=$	$45:5=$
$56:8=$	$42:7=$	$24:8=$	$16:8=$
$18:2=$	$24:8=$	$42:6=$	$42:6=$
$72:8=$	$21:7=$	$80:8=$	$28:4=$
$16:4=$	$48:8=$	$24:4=$	$72:8=$
$24:8=$	$42:7=$	$54:6=$	$18:3=$
$28:4=$	$40:8=$	$24:8=$	$25:5=$
$14:2=$	$28:7=$	$48:6=$	$54:6=$
$16:8=$	$72:8=$	$56:8=$	$64:8=$



9

$9 : 9 = 1$		$18 : 6 =$ $18 =$ <input style="width: 150px; height: 20px;" type="text"/>
$18 : 9 = 2$		$18 : 3 =$ $18 =$ <input style="width: 150px; height: 20px;" type="text"/>
$27 : 9 = 3$		$18 : 2 =$ $18 =$ <input style="width: 150px; height: 20px;" type="text"/>
$36 : 9 = 4$		$18 : 9 =$ $18 =$ <input style="width: 150px; height: 20px;" type="text"/>
		$36 : 3 =$ $36 =$ <input style="width: 150px; height: 40px;" type="text"/>
		$36 : 9 =$ $36 =$ <input style="width: 150px; height: 40px;" type="text"/>

78

Kotaszek Hedvig: KISZÁMOLÓ Szorzás-osztás 2.o.

$45 : 9 = 5$   
 $99999$

$54 : 9 = 6$   
 $999999$

$63 : 9 = 7$   
 $9999999$

$72 : 9 = 8$   
 $99999999$

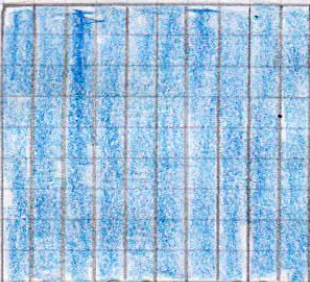
$81 : 9 = 9$   
 $999999999$


$54 : 9 =$   
 $54 =$


$54 : 6 =$   
 $54 =$

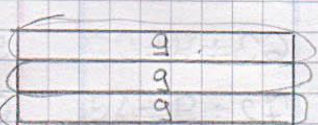
79

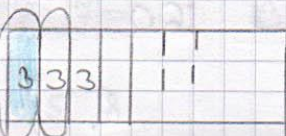
Kotaszek Hedvig: KISZÁMOLÓ Szorzás-osztás 2.o.

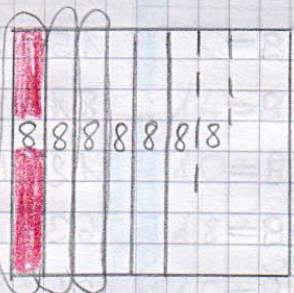
$90 : 9 = 10$ 

  
 9999999999

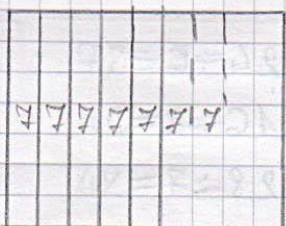
1. 
  
 $27 : 9 =$


2. 
  
 $72 : 9 =$

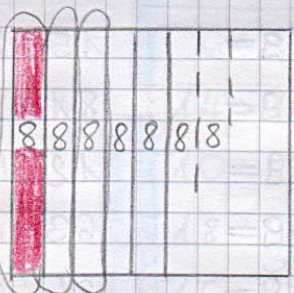
3. 
  
 $63 : 9 =$

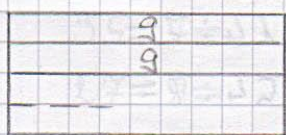

  
 $27 : 3 =$

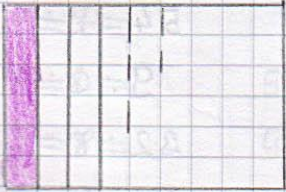

  
 $72 : 8 =$



  
 $63 : 9 =$

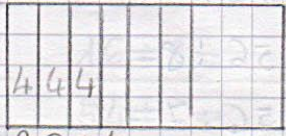

  
 $54 : 9 =$



  
 $72 : 8 =$

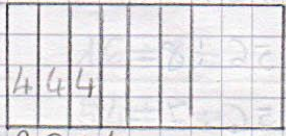

  
 $36 : 9 =$


  
 $54 : 6 =$


  
 $18 : 9 =$


  
 $36 : 9 =$


  
 $18 : 2 =$


  
 $36 : 4 =$

80

Kotaszek Hedvig: KISZÁMOLÓ Szorzás-osztás 2.o.

1.	2.	3.	4.
9 : 9 =	8 : 8 =	7 : 7 =	6 : 6 =
18 : 9 =	16 : 8 =	14 : 7 =	12 : 6 =
27 : 9 =	24 : 8 =	21 : 7 =	18 : 6 =
36 : 9 =	32 : 8 =	28 : 7 =	24 : 6 =
45 : 9 =	40 : 8 =	35 : 7 =	30 : 6 =
54 : 9 =	48 : 8 =	42 : 7 =	36 : 6 =
63 : 9 =	56 : 8 =	49 : 7 =	42 : 6 =
72 : 9 =	64 : 8 =	56 : 7 =	48 : 6 =
81 : 9 =	72 : 8 =	63 : 7 =	54 : 6 =
90 : 9 =	80 : 8 =	70 : 7 =	60 : 6 =

5.	6.	7.	8.
24 : 6 =	18 : 9 =	15 : 3 =	24 : 4 =
16 : 8 =	90 : 9 =	81 : 9 =	18 : 9 =
28 : 7 =	54 : 9 =	12 : 6 =	15 : 5 =
32 : 8 =	27 : 9 =	63 : 9 =	90 : 9 =
42 : 6 =	72 : 9 =	24 : 3 =	16 : 8 =
14 : 7 =	9 : 9 =	18 : 6 =	49 : 7 =
64 : 8 =	36 : 9 =	18 : 9 =	54 : 9 =
48 : 6 =	63 : 9 =	42 : 6 =	9 : 3 =
63 : 7 =	45 : 9 =	72 : 9 =	32 : 8 =
56 : 8 =	81 : 9 =	27 : 3 =	36 : 9 =
56 : 7 =	54 : 9 =	27 : 9 =	36 : 6 =

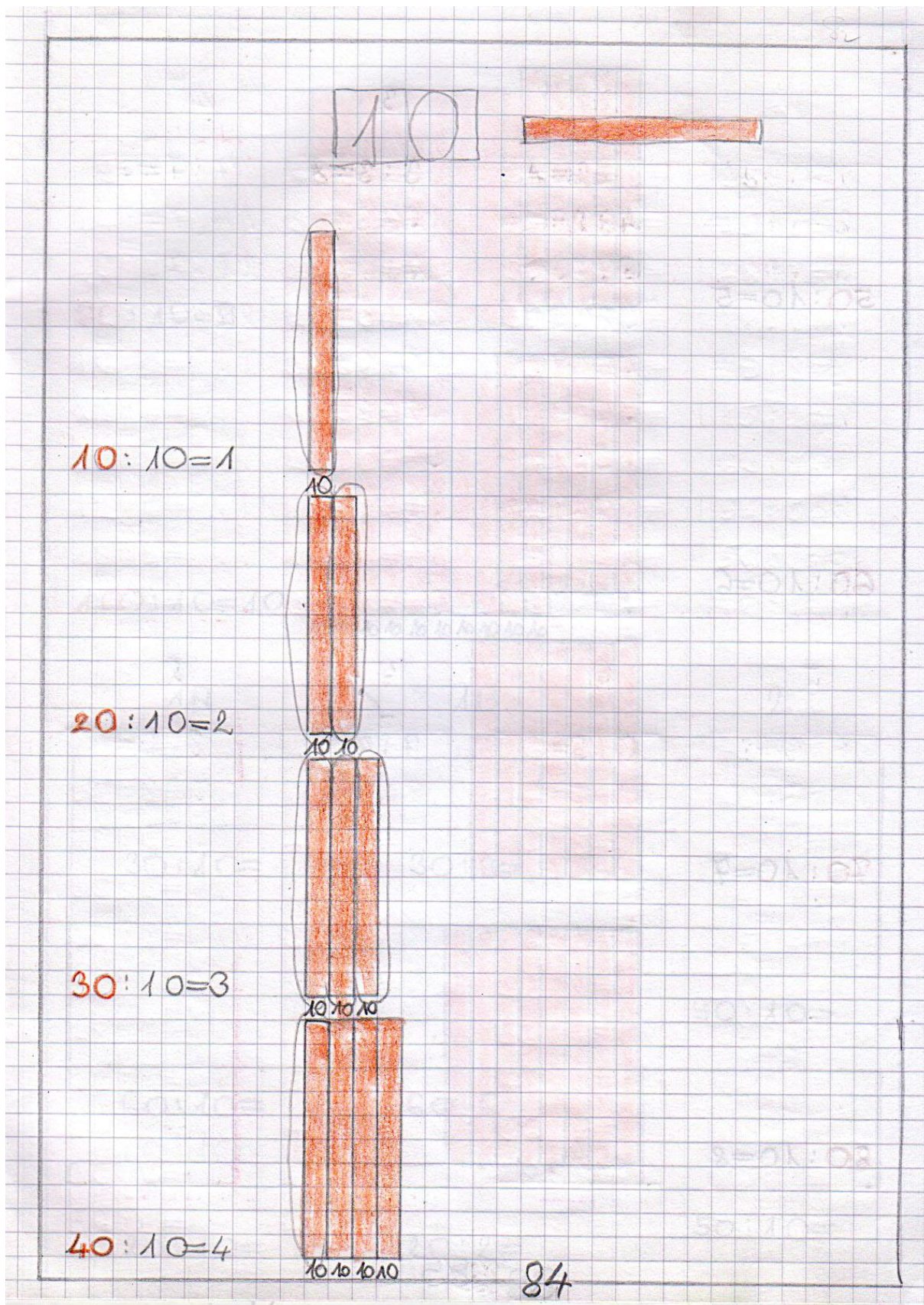
81

Kotaszek Hedvig: KISZÁMOLÓ Szorzás-osztás 2.o.

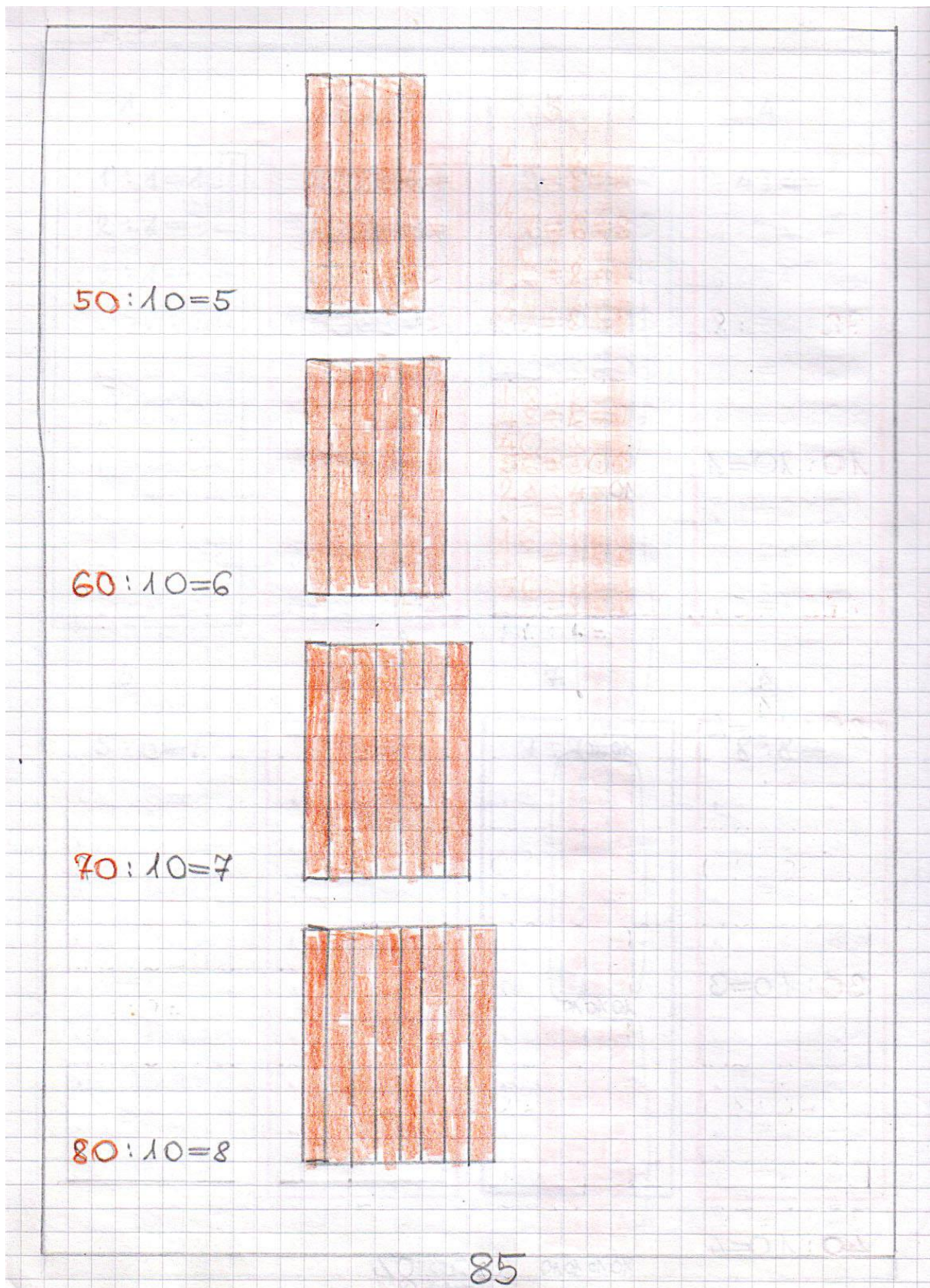
1.	2.	3.	4.
$9:3=$	$49:7=$	$64:8=$	$35:7=$
$14:7=$	$32:4=$	$27:3=$	$45:5=$
$45:5=$	$24:8=$	$36:9=$	$48:8=$
$72:9=$	$21:3=$	$30:6=$	$18:6=$
$16:2=$	$36:6=$	$16:2=$	$9:9=$
$28:4=$	$63:9=$	$21:7=$	$15:3=$
$24:8=$	$20:5=$	$24:4=$	$63:7=$
$12:6=$	$18:2=$	$72:8=$	$54:6=$
$18:9=$	$16:4=$	$25:5=$	$56:8=$
$17:7=$	$32:8=$	$49:7=$	$42:6=$
5.	6.	7.	8.
$12:4=$	$24:6=$	$6:3=$	$72:9=$
$27:9=$	$14:2=$	$14:7=$	$40:4=$
$18:6=$	$45:9=$	$10:5=$	$42:6=$
$30:3=$	$24:4=$	$18:9=$	$24:8=$
$16:8=$	$56:7=$	$16:2=$	$15:3=$
$15:5=$	$27:3=$	$32:8=$	$35:7=$
$28:7=$	$8:8=$	$36:4=$	$27:9=$
$28:4=$	$54:6=$	$48:6=$	$24:6=$
$24:8=$	$40:5=$	$56:7=$	$18:2=$
$36:6=$	$63:9=$	$18:3=$	$16:8=$
$36:9=$	$42:7=$	$64:8=$	$54:6=$
82			

1.	2.	3.	4.
$1:1=1$ $2:1=$ $3:1=$ . . . . . . . . .	$2:2=1$ $4:2=$ $6:2=$ . . . . . . . . .	$3:3=1$ . . . . . . . . . . .	$4:4=$ . . . . . . . . . . .
5.	6.	7.	8.
$5:5=1$ . . . . . . . . . . .	$6:6=$ . . . . . . . . . . .	$7:7=$ . . . . . . . . . . .	$8:8=$ . . . . . . . . . . .

83



Kotaszek Hedvig: KISZÁMOLÓ Szorzás-osztás 2.o.



Kotaszek Hedvig: KISZÁMOLÓ Szorzás-osztás 2.o.

Handwritten mathematical work on grid paper showing division problems and their visual representations using blocks and boxes.

Top section: Two rows of orange blocks representing division. The first row shows 9 blocks with the equation  $90 : 10 = 9$ . The second row shows 10 blocks with the equation  $100 : 10 = 10$ . Below the second row, the number 10 is written under each of the 10 blocks.

Middle section: A diagram with a semi-circle above a horizontal line. Below the line are two boxes labeled 1A and 1B, and a '2.' to the right.

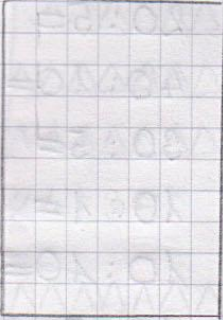
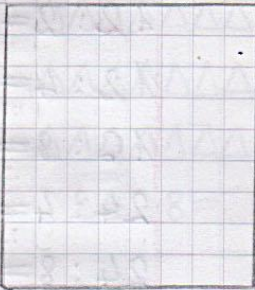
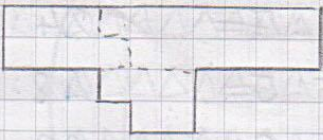


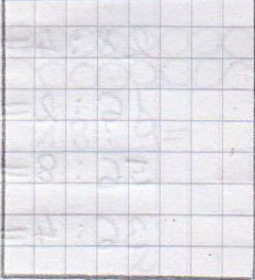

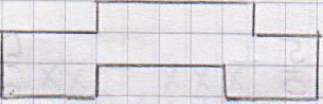

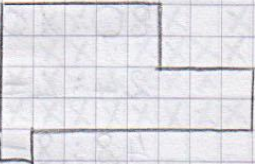
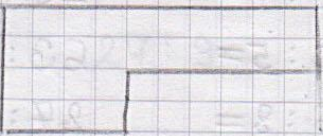
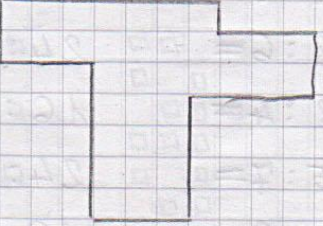
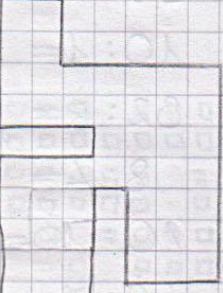
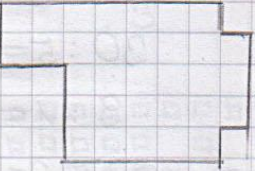

Bottom section: A grid of boxes for division problems:

$30 : 10 =$	$30 : 3 =$	
		$90 : 10 =$
$60 : 10 =$	$60 : 6 =$	
$80 : 10 =$		
$20 : 10 =$	$20 : 2 =$	$50 : 10 =$

86

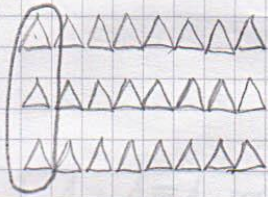
Kotaszek Hedvig: KISZÁMOLÓ Szorzás-osztás 2.o.



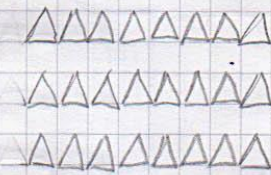
1.	2.	3.
		 $25 : 5 =$
$40 : 10 =$	$72 : 9 =$	 $24 : 6 =$
		 $24 : 4 =$
$40 : 10 =$	$72 : 8 =$	 $21 : 3 =$
		 $28 : 7 =$
$30 : 10 =$	$27 : 9 =$	 $36 : 6 =$
	 $32 : 8 =$	
$50 : 10 =$	 $12 : 6 =$	

1.	2	3	4
$21:7=$	$24:3=$	$12:2=$	$20:5=$
$25:5=$	$48:6=$	$12:4=$	$40:10=$
$18:9=$	$63:9=$	$16:8=$	$30:5=$
$16:4=$	$42:6=$	$24:4=$	$10:1=$
$36:9=$	$15:3=$	$24:8=$	$10:10=$
$18:6=$	$81:9=$	$18:2=$	$10:5=$
$18:3=$	$27:3=$	$40:8=$	$10:2=$
$54:6=$	$36:9=$	$28:4=$	$60:10=$
$45:5=$	$30:6=$	$16:2=$	$45:5=$
$56:8=$	$21:3=$	$56:8=$	$90:10=$
$14:2=$	$9:9=$	$36:4=$	$16:2=$
5	6	7	8
$30:3=$	$10:1=$	$80:10=$	$15:5=$
$14:7=$	$45:5=$	$24:4=$	$18:9=$
$40:5=$	$63:9=$	$48:8=$	$3:3=$
$16:8=$	$27:3=$	$42:6=$	$70:10=$
$18:2=$	$63:7=$	$27:9=$	$30:6=$
$36:9=$	$32:4=$	$30:5=$	$10:1=$
$48:6=$	$24:6=$	$9:1=$	$32:8=$
$28:4=$	$16:2=$	$24:3=$	$8:4=$
$35:7=$	$24:8=$	$20:10=$	$10:10=$
$54:9=$	$18:6=$	$56:7=$	$48:7=$

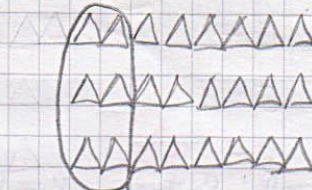
1



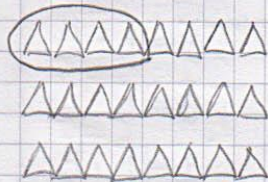
24 : 3 =



24 : 8 =



24 : 6 =



24 : 4 =



18 : 2 =



18 : 6 =



18 : 9 =



18 : 3 =

2



32 : 4 =

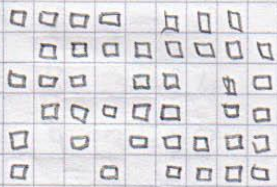


48 : 6 =

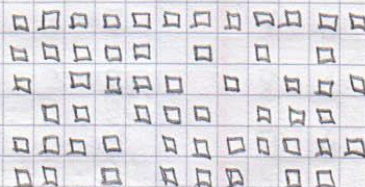


27 : 9 =

3



42 : 7 =



56 : 8 =



15 : 5 =

90

# Szorzás osztás táblázat

1

$1 \cdot 1 = 1$	mert $1 : 1 = 1$
$2 \cdot 1 = 2$	$2 : 1 = 2$
$3 \cdot 1 = 3$	$3 : 1 = 3$
$4 \cdot 1 = 4$	$4 : 1 = 4$
$5 \cdot 1 = 5$	$5 : 1 = 5$
$6 \cdot 1 = 6$	$6 : 1 = 6$
$7 \cdot 1 = 7$	$7 : 1 = 7$
$8 \cdot 1 = 8$	$8 : 1 = 8$
$9 \cdot 1 = 9$	$9 : 1 = 9$
$10 \cdot 1 = 10$	$10 : 1 = 10$

2

$1 \cdot 2 = 2$	mert $2 : 2 = 1$
$2 \cdot 2 = 4$	$4 : 2 = 2$
$3 \cdot 2 = 6$	$6 : 2 = 3$
$4 \cdot 2 = 8$	$8 : 2 = 4$
$5 \cdot 2 = 10$	$10 : 2 = 5$
$6 \cdot 2 = 12$	$12 : 2 = 6$
$7 \cdot 2 = 14$	$14 : 2 = 7$
$8 \cdot 2 = 16$	$16 : 2 = 8$
$9 \cdot 2 = 18$	$18 : 2 = 9$
$10 \cdot 2 = 20$	$20 : 2 = 10$

3

$1 \cdot 3 = 3$	mert $3 : 3 = 1$
$2 \cdot 3 = 6$	$6 : 3 = 2$
$3 \cdot 3 = 9$	$9 : 3 = 3$
$4 \cdot 3 = 12$	$12 : 3 = 4$
$5 \cdot 3 = 15$	$15 : 3 = 5$
$6 \cdot 3 = 18$	$18 : 3 = 6$
$7 \cdot 3 = 21$	$21 : 3 = 7$
$8 \cdot 3 = 24$	$24 : 3 = 8$
$9 \cdot 3 = 27$	$27 : 3 = 9$
$10 \cdot 3 = 30$	$30 : 3 = 10$

4

$1 \cdot 4 = 4$	mert $4 : 4 = 1$
$2 \cdot 4 = 8$	$8 : 4 = 2$
$3 \cdot 4 = 12$	$12 : 4 = 3$
$4 \cdot 4 = 16$	$16 : 4 = 4$
$5 \cdot 4 = 20$	$20 : 4 = 5$
$6 \cdot 4 = 24$	$24 : 4 = 6$
$7 \cdot 4 = 28$	$28 : 4 = 7$
$8 \cdot 4 = 32$	$32 : 4 = 8$
$9 \cdot 4 = 36$	$36 : 4 = 9$
$10 \cdot 4 = 40$	$40 : 4 = 10$

5

1 · 5 = 5	mert 5 : 5 = 1
2 · 5 = 10	10 : 5 = 2
3 · 5 = 15	15 : 5 = 3
4 · 5 = 20	20 : 5 = 4
5 · 5 = 25	25 : 5 = 5
6 · 5 = 30	30 : 5 = 6
7 · 5 = 35	35 : 5 = 7
8 · 5 = 40	40 : 5 = 8
9 · 5 = 45	45 : 5 = 9
10 · 5 = 50	50 : 5 = 10

6

1 · 6 = 6	mert 6 : 6 = 1
2 · 6 = 12	12 : 6 = 2
3 · 6 = 18	18 : 6 = 3
4 · 6 = 24	24 : 6 = 4
5 · 6 = 30	30 : 6 = 5
6 · 6 = 36	36 : 6 = 6
7 · 6 = 42	42 : 6 = 7
8 · 6 = 48	48 : 6 = 8
9 · 6 = 54	54 : 6 = 9
10 · 6 = 60	60 : 6 = 10

7

1 · 7 = 7	mert 7 : 7 = 1
2 · 7 = 14	14 : 7 = 2
3 · 7 = 21	21 : 7 = 3
4 · 7 = 28	28 : 7 = 4
5 · 7 = 35	35 : 7 = 5
6 · 7 = 42	42 : 7 = 6
7 · 7 = 49	49 : 7 = 7
8 · 7 = 56	56 : 7 = 8
9 · 7 = 63	63 : 7 = 9
10 · 7 = 70	70 : 7 = 10

8

1 · 8 = 8	mert 8 : 8 = 1
2 · 8 = 16	16 : 8 = 2
3 · 8 = 24	24 : 8 = 3
4 · 8 = 32	32 : 8 = 4
5 · 8 = 40	40 : 8 = 5
6 · 8 = 48	48 : 8 = 6
7 · 8 = 56	56 : 8 = 7
8 · 8 = 64	64 : 8 = 8
9 · 8 = 72	72 : 8 = 9
10 · 8 = 80	80 : 8 = 10

9

$1 \cdot 9 = 9$	mert $9 : 9 = 1$
$2 \cdot 9 = 18$	$18 : 9 = 2$
$3 \cdot 9 = 27$	$27 : 9 = 3$
$4 \cdot 9 = 36$	$36 : 9 = 4$
$5 \cdot 9 = 45$	$45 : 9 = 5$
$6 \cdot 9 = 54$	$54 : 9 = 6$
$7 \cdot 9 = 63$	$63 : 9 = 7$
$8 \cdot 9 = 72$	$72 : 9 = 8$
$9 \cdot 9 = 81$	$81 : 9 = 9$
$10 \cdot 9 = 90$	$90 : 9 = 10$

10

$1 \cdot 10 = 10$	mert $10 : 10 = 1$
$2 \cdot 10 = 20$	$20 : 10 = 2$
$3 \cdot 10 = 30$	$30 : 10 = 3$
$4 \cdot 10 = 40$	$40 : 10 = 4$
$5 \cdot 10 = 50$	$50 : 10 = 5$
$6 \cdot 10 = 60$	$60 : 10 = 6$
$7 \cdot 10 = 70$	$70 : 10 = 7$
$8 \cdot 10 = 80$	$80 : 10 = 8$
$9 \cdot 10 = 90$	$90 : 10 = 9$
$10 \cdot 10 = 100$	$100 : 10 = 10$

93

# SZORZÁS ↔ OSZTÁS

ellenőrzés

1A	1B	2A	2B
$6:2=3$ mert	ellen. $3 \cdot 2=6$	$8:4=2$ mert	ellen. $2 \cdot 4=8$
$10:2=$	$5 \cdot 2=$	$24:4=$	$6 \cdot 4=$
$18:2=$	$9 \cdot 2=$	$36:4=$	$\cdot \cdot 4=$
$8:2=$	$4 \cdot 2=$	$12:4=$	$\cdot$
$14:2=$	$7 \cdot 2=$	$28:4=$	$\cdot$

3A	3B	4A	4B
$9:3=$ mert	ellen. $3 \cdot 3=9$	$12:6=$ mert	ellen. $2 \cdot 6=12$
$21:3=$	$7 \cdot 3=$	$36:6=$	$\cdot \cdot 6=$
$30:3=$	$\cdot \cdot 3=$	$48:6=$	$\cdot$
$24:3=$	$\cdot$	$60:6=$	$\cdot \cdot$
$15:3=$	$\cdot$	$42:6=$	$\cdot$

5A	5B	6A	6B
$10:5=$	ell. $2 \cdot 5=$	$30:10=$	$3 \cdot 10=$
$25:5=$	$\cdot \cdot 5=$	$60:10=$	$\cdot \cdot 10=$
$50:5=$	$\cdot$	$90:10=$	$\cdot$
$35:5=$	$\cdot$	$50:10=$	$\cdot$
$15:5=$	$\cdot$	$80:10=$	$\cdot$

1A      1B		2A      2B	
$7:7=$	mert $1 \cdot 7=7$	$16:8=$	$2 \cdot 8=$
$28:7=$	$\cdot \cdot 7=$	$32:8=$	$\cdot \cdot 8=$
$42:7=$	.	$64:8=$	.
$56:7=$	.	$24:8=$	.
$63:7=$	.	$72:8=$	.
$35:7=$	.	$48:8=$	.
3A      3B		4A      4B	
$27:9=$	$3 \cdot 9=$	$12:4=$	$3 \cdot 4=$
$36:9=$	$\cdot \cdot 9=$	$15:5=$	$\square \cdot 5=15$
$54:9=$	.	$30:6=$	$\square \cdot 6=30$
$63:9=$	.	$40:8=$	$\square \cdot 8=40$
$81:9=$	.	$24:3=$	$\square \cdot 3=24$
$18:9=$	.	$21:7=$	$\square \cdot 7=21$
5A      5B		6A      6B	
$35:5=$	mert $\square \cdot 5=35$	$18:2=\square$	$\square \cdot 2=18$
$42:7=$	$\square \cdot 7=42$	$24:6=\square$	$\cdot \cdot 6=24$
$16:8=$	$\square \cdot 8=16$	$50:10=\square$	$\square \cdot 10=50$
$12:4=$	$\square \cdot 4=12$	$27:3=$	$\square \cdot 3=27$
$6:6=$	$\square \cdot 6=.$	$40:8=$	$\cdot \cdot 8=40$
$15:3=$	$\square \cdot 3=.$	$10:1=$	$\square \cdot 1=10$
$27:9=$	$\square \cdot 9=27$	$28:4=$	$\square \cdot 4=28$

1A		1B		2A		2B	
$3 \cdot 5 = 15$ mert	$15 : 5 = 3$ ellen.	$4 \cdot 6 = \square$ mert	$\square : 6 = 4$ ellen.	$8 \cdot 2 = \square$	$\square : 2 = 8$	$7 \cdot 9 = \square$	$\square : 9 = 7$
$2 \cdot 6 = 12$	$\square : 6 = 2$	$2 \cdot 7 = \square$	$\square : 7 = \dots$	$5 \cdot 4 = \square$	$\square : 4 = \dots$	$4 \cdot 8 = \square$	$\square : 8 = \dots$
$4 \cdot 2 = 8$	$\square : 2 = 4$	$6 \cdot 3 = \square$	$\square : 3 = \dots$	$9 \cdot 5 = \square$	$\square : 5 = \dots$		
$5 \cdot 3 = \square$	$\square : 3 = 5$						
$6 \cdot 4 = \square$	$\square : 4 = 6$						
$7 \cdot 1 = \square$	$\square : 1 = 7$						
$3 \cdot 8 = \square$	$\square : 8 = 3$						
$2 \cdot 9 = \square$	$\square : 9 = 2$						
3A		3B		4A		4B	
$7 \cdot 4 = \square$	$\square : 4 = 7$ ell.	$2 \cdot 9 = \square$	$\square : 9 = 2$	$6 \cdot 8 = \square$	$\square : 8 = 6$	$8 \cdot 7 = \square$	$\square : 7 = 8$
$8 \cdot 2 = \square$	$\square : 2 = 8$	$5 \cdot 9 = \square$	$\square : 9 = 5$	$7 \cdot 3 = \square$	$\square : 3 = \dots$	$9 \cdot 6 = \square$	$\square : 6 = \dots$
$3 \cdot 9 = \square$	$\square : 9 = 3$						
$6 \cdot 5 = \square$	$\square : 5 = 6$						
$4 \cdot 7 = \square$	$\square : 7 = \dots$						
$5 \cdot 8 = \square$	$\square : 8 = \dots$						
5A		5B		6A		6B	
$27 : 9 = 3$ mert	$3 \cdot 9 = 27$ ell.	$32 : 8 = \square$ mert	$\square \cdot 8 = 32$ ell.	$48 : 6 = \square$	$\square \cdot 6 = 48$	$63 : 9 = \square$	$\square \cdot 9 = \dots$
$64 : 8 = \square$	$\square \cdot 8 = 64$	$35 : 7 = \square$	$\square \cdot 7 = \dots$	$36 : 6 = \square$	$\square \cdot 6 = \dots$		
$36 : 4 = \square$	$\square \cdot 4 = 36$						
$72 : 9 = \square$	$\square \cdot 9 = \dots$						
$56 : 7 = \square$	$\square \cdot 7 = \dots$						

1A

1B

2A

2B

$$7 \cdot 4 = \square \text{ mert } \square \overset{\text{ell.}}{:} 4 = 7$$

$$42 : 7 = \square$$

$$\square \overset{\text{ell.}}{\cdot} 7 = 42$$

$$63 : 7 = \square$$

$$\square \cdot 7 = 63$$

$$12 : 2 = \square$$

$$\square \cdot 2 = 12$$

$$4 \cdot 8 = \square$$

$$\square : 8 = 4$$

$$16 : 4 = \square$$

$$\square \cdot 4 = 16$$

$$16 : 2 = \square$$

$$\square \cdot 2 = 16$$

$$8 \cdot 5 = \square$$

$$\square : 5 = 8$$

$$3 \cdot 6 = \square$$

$$\square : 6 = 3$$

$$2 \cdot 9 = \square$$

$$\square : 9 = 2$$

$$25 : 5 = \square$$

$$\square \cdot 5 = 25$$

$$9 \cdot 8 = \square$$

$$\square : 8 = 9$$

$$4 \cdot 9 = \square$$

$$\square : 9 = 4$$

$$63 : 9 = \square$$

$$\square \cdot 9 = 63$$

$$15 : 3 = \square$$

$$\square \cdot 3 = 15$$

$$48 : 6 = \square$$

$$\square \cdot 6 = 48$$

3

4

5

6

$$4 \cdot 7 = \square$$

$$9 \cdot 5 = \square$$

$$5 \cdot 7 = \square$$

2

$$\cdot 3$$

6

$$\cdot 6$$

$$8 \cdot 6 = \square$$

$$20 : 4 = \square$$

$$27 : 9 = \square$$

4

$$\cdot 4$$

8

$$\cdot 8$$

$$12 : 4 = \square$$

$$7 \cdot 8 = \square$$

$$48 : 6 = \square$$

3

$$\cdot 3$$

7

$$\cdot 7$$

$$2 \cdot 8 = \square$$

$$49 : 7 = \square$$

$$3 \cdot 8 = \square$$

5

$$\cdot 5$$

1

$$\cdot 1$$

$$18 : 3 = \square$$

$$4 \cdot 6 = \square$$

$$8 \cdot 4 = \square$$

10

$$\cdot 10$$

$$64 : 8 = \square$$

$$18 : 9 = \square$$

$$16 : 4 = \square$$

9

$$\cdot 9$$

7A

7B

8A

8B

$$24 : 8 = \square \text{ mert } \square \overset{\text{ell.}}{:} 8 = 24$$

$$63 : 7 = \square \text{ mert } \square \overset{\text{ell.}}{\cdot} 7 = \dots$$

$$6 \cdot 3 = \square$$

$$\square : 3 = \dots$$

$$4 \cdot 9 = \square$$

$$\square : 9 = \dots$$

$$56 : 7 = \square$$

$$\square \cdot 7 = \dots$$

$$48 : 8 = \square$$

$$\square \cdot 8 = \dots$$

$$7 \cdot 4 = \square$$

$$\square : 4 = \dots$$

$$8 \cdot 3 = \square$$

$$\square : 3 = \dots$$

$$72 : 9 = \square$$

$$\square \cdot 9 = 72$$

$$54 : 6 = \square$$

$$\square \cdot 6 = \dots$$

97

1	3	5A	5B
$7 \cdot 5 =$	$42 : 6 =$	$6 \cdot 3 = \square$	ellen. $\square : 3 = 6$
$3 \cdot 9 =$	$18 : 3 =$	$7 \cdot 6 =$	...
$8 \cdot 6 =$	$32 : 8 =$	$8 \cdot 2 =$	...
$10 \cdot 4 =$	$14 : 7 =$	$9 \cdot 8 =$	...
$9 \cdot 2 =$	$27 : 9 =$	$4 \cdot 7 =$	...
$6 \cdot 3 =$	$40 : 5 =$	$2 \cdot 6 =$	.
$4 \cdot 8 =$	$48 : 8 =$	$7 \cdot 8 =$	.
$5 \cdot 1 =$	$72 : 9 =$	$3 \cdot 9 =$	.
$9 \cdot 7 =$	$45 : 5 =$	$5 \cdot 4 =$	.
$8 \cdot 3 =$	$24 : 6 =$	$6 \cdot 8 =$	.
$4 \cdot 6 =$	$56 : 7 =$	$9 \cdot 6 =$	.
2	4	6A	6B
$2 \cdot 9 =$	$16 : 4 =$	$24 : 4 = \square$	ellen. $\square \cdot 4 = 24$
$10 \cdot 4 =$	$63 : 9 =$	$14 : 2 =$	.
$3 \cdot 6 =$	$28 : 7 =$	$18 : 9 =$	.
$8 \cdot 4 =$	$48 : 6 =$	$72 : 8 =$	.
$7 \cdot 8 =$	$54 : 9 =$	$24 : 3 =$	.
$4 \cdot 5 =$	$72 : 8 =$	$24 : 6 =$	.
$5 \cdot 7 =$	$24 : 3 =$	$35 : 5 =$	.
$8 \cdot 3 =$	$18 : 2 =$	$21 : 7 =$	.
$9 \cdot 8 =$	$63 : 7 =$	$45 : 9 =$	.
$6 \cdot 6 =$	$56 : 8 =$	$32 : 8 =$	.

1A	1B	2A	2B
$3 \cdot 7 =$	ellesz $\therefore 7 = 3$	$36 : 6 =$	$6 = 36$
$8 \cdot 2 =$		$14 : 7 =$	
$9 \cdot 4 =$		$8 : 4 =$	
$6 \cdot 5 =$		$70 : 7 =$	
$2 \cdot 8 =$		$6 : 3 =$	
$5 \cdot 3 =$		$80 : 8 =$	
$7 \cdot 6 =$		$16 : 2 =$	
$4 \cdot 9 =$		$18 : 9 =$	
$1 \cdot 8 =$		$10 : 5 =$	
$6 \cdot 4 =$		$42 : 7 =$	
$3 \cdot 6 =$		$20 : 4 =$	
$8 \cdot 5 =$		$9 : 1 =$	
$5 \cdot 9 =$		$36 : 6 =$	
$9 \cdot 2 =$		$16 : 8 =$	
$2 \cdot 7 =$		$15 : 3 =$	
$7 \cdot 8 =$		$30 : 5 =$	
$4 \cdot 4 =$		$7 : 7 =$	
$9 \cdot 6 =$		$36 : 9 =$	
$3 \cdot 8 =$		$12 : 2 =$	
$6 \cdot 9 =$		$60 : 6 =$	
$8 \cdot 7 =$		$12 : 4 =$	
$5 \cdot 8 =$		$24 : 8 =$	
$7 \cdot 4 =$		$40 : 5 =$	

99

Kotaszek Hedvig: KISZÁMOLÓ Szorzás-osztás 2.o.

1A 1B 4 5

$\square \cdot 5 = 35$   $35 : 5 = \square$   $7 \cdot \square = 3 \cdot 7$   $3 \cdot 8 = 8 \cdot 3$

$\square \cdot 8 = 16$   $16 : 8 = \square$   $8 \cdot 5 = 5 \cdot 8$   $6 \cdot 2 = 2 \cdot 6$

$\square \cdot 6 = 54$   $54 : 6 = \square$   $4 \cdot 8 = 8 \cdot 4$   $8 \cdot 6 = 6 \cdot 8$

$\square \cdot 9 = 27$   $27 : 9 = \square$   $2 \cdot 6 = 6 \cdot 2$   $4 \cdot 7 = 7 \cdot 4$

$\square \cdot 3 = 18$   $18 : \square = \square$   $5 \cdot 7 = 7 \cdot 5$   $9 \cdot 8 = 8 \cdot 9$

$\square \cdot 7 = 63$   $63 : 7 = \square$   $9 \cdot 4 = 4 \cdot 9$   $8 \cdot 2 = 2 \cdot 8$

2A 2B 6 7

$\square : 9 = 2$   $2 \cdot 9 = \square$   $\begin{array}{c} \cdot \\ 3 \\ 0 \\ 6 \\ 2 \\ 0 \\ 5 \\ 5 \\ 1 \\ 4 \\ 7 \\ 10 \end{array}$   $\begin{array}{c} 7 \\ 2 \\ 9 \end{array}$   $\begin{array}{c} \cdot \\ 5 \\ 2 \\ 0 \\ 6 \\ 1 \\ 0 \\ 7 \\ 8 \\ 3 \\ 0 \\ 7 \\ 1 \end{array}$   $\begin{array}{c} 6 \\ 4 \\ 8 \end{array}$

$\square : 4 = 9$   $9 \cdot 4 = \square$

$\square : 7 = 2$   $2 \cdot 7 = \square$

$\square : 3 = 8$   $8 \cdot 3 = \square$

$\square : 8 = 7$   $7 \cdot 8 = \square$

$\square : 6 = 8$   $8 \cdot 6 = \square$

3A 3B 8 9

$\square \cdot 4 = 32$   $32 : 4 = \square$   $3 \cdot 7 = 7 + 7 + 7 = \square$   $\begin{array}{c} \cdot \\ 4 \\ 7 \\ 3 \\ 9 \\ 5 \\ 6 \\ 2 \\ 8 \end{array}$   $\begin{array}{c} 8 \\ 6 \end{array}$

$\square : 7 = 6$   $6 \cdot 7 = \square$   $5 \cdot 2 = 2 + \square$

$\square \cdot 8 = 64$   $64 : 8 = \square$   $4 \cdot 9 = 9 + \square$

$\square : 6 = 3$   $3 \cdot 6 = \square$   $2 \cdot 6 = \square$

$\square \cdot 3 = 9$   $9 : 3 = \square$   $6 \cdot 3 = \square$


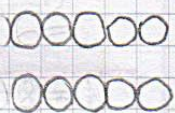
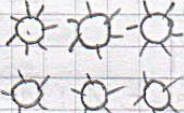

$\square : 9 = 4$   $4 \cdot 9 = \square$   $8 + 8 + 8 + 8 + 8 = 5 \cdot \square$

$\square \cdot 8 = 48$   $48 : 8 = \square$   $4 + 4 + 4 + 4 + 4 + 4 + 4 = \square$

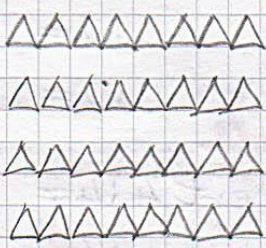
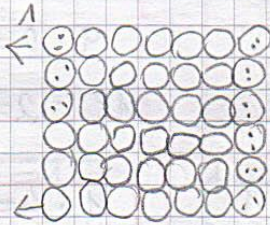
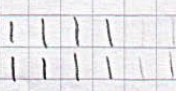

100


# 1 rajzról → 2 szorzás 2 osztás

1.

			
$6 \cdot 2 =$	$3 \cdot 3 =$	$3 \cdot 2 =$	$5 \cdot 4 =$
$12 : 2 =$	$5 \cdot 3 =$	$2 \cdot 3 =$	$4 \cdot 5 =$
$12 : 6 =$	$15 : 5 =$	$6 : 2 =$	$20 : 4 =$
$12 : 2 =$	$15 : 3 =$	$6 : 3 =$	$20 : 5 =$

2.

			
$4 \cdot 8 =$	$6 \cdot 7 =$	$2 \cdot 4 =$	$7 \cdot 3 =$
$8 \cdot 4 =$	$7 \cdot 6 =$	$4 \cdot 2 =$	$3 \cdot 7 =$
$32 : 8 =$	$42 : 7 =$	$8 : 4 =$	$21 : 3 =$
$32 : 4 =$	$\dots : \dots$	$8 : 2 =$	$21 : 7 =$

	
$2 \cdot 9 =$	$18 : 9 =$
$9 \cdot \dots =$	$\dots : \dots =$

# Szorzás osztás táblázat

megoldása

1

$1 \cdot 1 = 1$ mert $1 : 1 = 1$
$2 \cdot 1 =$ $\cdot : 1 = 2$
$3 \cdot 1 =$ $\cdot : 1 = 3$
$4 \cdot 1 =$ $\cdot : 1 =$
$5 \cdot 1 =$ $\cdot : 1 =$
$6 \cdot 1 =$ $\cdot : 1 =$
$7 \cdot 1 =$ $\cdot : 1 =$
$8 \cdot 1 =$ $\cdot : 1 =$
$9 \cdot 1 =$ $\cdot : 1 =$
$10 \cdot 1 =$ $\cdot : 1 =$

2

$1 \cdot 2 = 2$ mert $2 : 2 = 1$
$2 \cdot 2 =$ $4 : 2 = 2$
$3 \cdot 2 =$ $\cdot : 2 =$
$4 \cdot 2 =$ $\cdot : 2 =$
$5 \cdot 2 =$ $\cdot : 2 =$
$6 \cdot 2 =$ $\cdot : 2 =$
$7 \cdot 2 =$ $\cdot : 2 =$
$8 \cdot 2 =$ $\cdot : 2 =$
$9 \cdot 2 =$ $\cdot : 2 =$
$10 \cdot 2 =$ $\cdot : 2 =$

3

$1 \cdot 3 = 3$ mert $3 : 3 = 1$
$2 \cdot 3 =$ $\cdot : 3 =$
$3 \cdot 3 =$ $\cdot : 3 =$
$4 \cdot 3$ $\cdot : 3 =$
$5 \cdot 3$ $\cdot : 3 =$
$6 \cdot$ $\cdot :$
$7 \cdot$ $\cdot$
$8 \cdot$ $\cdot$
$9 \cdot$ $\cdot$
$10 \cdot 3 =$ $\cdot$

4

$1 \cdot 4 = 4$ mert $4 : 4 =$
$2 \cdot 4 =$ $\cdot : 4 =$
$3 \cdot 4 =$ $\cdot : 4$
$4 \cdot$ $\cdot : 4$
$5 \cdot$ $\cdot$
$6 \cdot$ $\cdot$
$7 \cdot$ $\cdot$
$8 \cdot$ $\cdot$
$9 \cdot$ $\cdot$
$10 \cdot 4 =$ $\cdot$

5

$1 \cdot 5 = 5$ mert $5 : 5 = 1$
$2 \cdot 5 =$ $\dots : 5 = 2$
$3 \cdot 5 =$ $\dots : 5 = 3$
$4 \cdot 5 =$ $\dots : 5 =$
$5 \cdot 5$ $\dots : 5 =$
$6 \cdot 5$ $\dots : 5 =$
$7 \cdot 5$ $\dots : 5 =$
$8 \cdot 5$ $\dots : 5 =$
$9 \cdot 5$ $\dots : 5 =$
$10 \cdot 5 =$ $\dots : 5 =$

6

$1 \cdot 6 = 6$ $6 : 6 = 1$
$2 \cdot 6 =$ $\dots$
$3 \cdot 6 =$ $\dots$
$4 \cdot 6$ $\dots$
$5 \cdot 6$ $\dots$
$6 \cdot 6$ $\dots$
$7 \cdot$ $\dots$
$8 \cdot$ $\dots$
$9 \cdot$ $\dots$
$10 \cdot 6 =$ $\dots$

7

$1 \cdot 7 = 7$ mert $7 : 7 = 1$
$2 \cdot 7$ $\dots$
$3 \cdot$ $\dots$
$4 \cdot$ $\dots$
$5 \cdot$ $\dots$
$6$ $\dots$
$7$ $\dots$
$8 \cdot$ $\dots$
$9 \cdot$ $\dots$
$10 \cdot 7 =$ $\dots$

8

$1 \cdot 8 = 8$ mert $8 : 8 = 1$
$2 \cdot 8$ $\dots$
$3 \cdot$ $\dots$
$4 \cdot$ $\dots$
$5$ $\dots$
$6$ $\dots$
$7$ $\dots$
$8$ $\dots$
$9$ $\dots$
$10 \cdot 8 =$ $\dots$

9

$1 \cdot 9 = 9$ mert $9 : 9 = 1$
$2 \cdot 9 =$ ..
$3 \cdot 9 =$ ..
$4 \cdot 9$ ..
$5 \cdot$ ..
$6 \cdot$ ..
$7$ ..
$8$ ..
$9$ ..
$10 \cdot 9 =$ ..

10

$1 \cdot 10 = 10$ mert $10 : 10 = 1$
$2 \cdot 10 =$
$3 \cdot 10$
$4 \cdot$
$5 \cdot$
$6 \cdot$
$7$
$\cdot$
$\cdot$
$\cdot \cdot \cdot 10 =$

104



Megoldások

# Tartalom

	Oldal
Szorzás táblázat	3
SZORZÁS	5
1	7
2	10
3	15
4	18
5	23
6	27
7	33
8	38
9	44
10	
Osztás táblázat	50
OSZTÁS	52
1	53
2	55
3	57
4	61
5	65
6	68
7	73
8	78
9	84
10	
Szorzás osztás táblázat	91
SZORZÁS - OSZTÁS ellenőrzés	94
Szorzás osztás táblázat megoldás	102

5  
3 5  
3 5

6/1A

$1 = 1 \cdot 1 = 1$   
 $1 + 1 = 2 \cdot 1 = 2$   
 $1 + 1 + 1 = 3 \cdot 1 = 3$   
 $1 + 1 + 1 + 1 = 4 \cdot 1 = 4$   
 $1 + 1 + 1 + 1 + 1 = 5 \cdot 1 = 5$   
 $1 + 1 + 1 + 1 + 1 + 1 = 6 \cdot 1 = 6$   
 $1 + 1 + 1 + 1 + 1 + 1 + 1 = 7 \cdot 1 = 7$   
 $1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 = 8 \cdot 1 = 8$   
 $1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 = 9 \cdot 1 = 9$   
 $1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 = 10 \cdot 1 = 10$

6/1B

$1 \cdot 1 = 1$   
 $2 \cdot 1 = 2$   
 $3 \cdot 1 = 3$   
 $4 \cdot 1 = 4$   
 $5 \cdot 1 = 5$   
 $6 \cdot 1 = 6$   
 $7 \cdot 1 = 7$   
 $8 \cdot 1 = 8$   
 $9 \cdot 1 = 9$   
 $10 \cdot 1 = 10$

6/2A-2B

$3 \cdot 1 + 1 + 1 = 3$   
 $6 \cdot 1 + 1 + 1 + 1 + 1 + 1 = 6$   
 $2 \cdot 1 + 1 = 2$   
 $4 \cdot 1 + 1 + 1 + 1 = 4$   
 $1 \cdot 1 = 1$   
 $5 \cdot 1 + 1 + 1 + 1 + 1 = 5$

6/3

$7 \cdot 1 = 7$   
 $12 \cdot 1 = 12$   
 $5 \cdot 1 = 5$   
 $2 \cdot 1 = 2$   
 $10 \cdot 1 = 10$   
 $6 \cdot 1 = 6$   
 $8 \cdot 1 = 8$

8/2A-2B

$10 \cdot 1 = 10$   
 $5 \cdot 2 = 10$   
 $6 \cdot 3 = 18$   
 $2 \cdot 1 = 2$   
 $12 \cdot 1 = 12$   
 $4 \cdot 2 = 8$   
 $8 \cdot 2 = 16$   
 $4 \cdot 2 = 8$

6/4A

$1 + 1 + 1 + 1 = 4$   
 $1 + 1 + 1 + 1 + 1 + 1 = 6$   
 $1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 = 8$   
 $1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 = 10$

6/4B

$4 \cdot 1 = 4$   
 $6 \cdot 1 = 6$   
 $8 \cdot 1 = 8$   
 $10 \cdot 1 = 10$

8/1A

2  
 4  
 6  
 8  
 10  
 12  
 14  
 16  
 18  
 20

8/1B

$2 = 2$   
 $2 + 2 = 4$   
 $2 + 2 + 2 = 6$   
 $2 + 2 + 2 + 2 = 8$   
 $2 + 2 + 2 + 2 + 2 = 10$   
 $2 + 2 + 2 + 2 + 2 + 2 = 12$   
 $2 + 2 + 2 + 2 + 2 + 2 + 2 = 14$   
 $2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 = 16$   
 $2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 = 18$   
 $2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 = 20$

8/3

12  
 2  
 16  
 6  
 20  
 14

9/1

1  
 2  
 3  
 4  
 5  
 6  
 7  
 8  
 9  
 10

9/2

2  
 4  
 6  
 8  
 10  
 12  
 14  
 16  
 18  
 20

8/4A-4B

$2 + 2 + 2 + 2 + 2 = 10$   
 $2 + 2 + 2 + 2 + 2 + 2 = 12$   
 $2 + 2 + 2 + 2 + 2 + 2 + 2 = 14$   
 $2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 = 16$   
 $2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 = 18$   
 $2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 = 20$

9/6

6  
 14  
 18

9/7

5  
 2  
 8

9/8

6  
 16  
 4



12/A-9B				13/1					
3	1+1+1=3			8	7	4			
14	2+2+2+2+2+2+2=14			8	7	4			
12	3+3+3+3=12								
10	1+1+1+1+1+1+1+1+1+1=10						13/2		
10	2+2+2+2+2=10								
24	3+3+3+3+3+3+3+3=24			15	6	12			
2	1+1=2			15	6	12			
	13/3		14/1		14/4		16/1		
18	18	10	6	5	10	6	16	12	
	13/4						12	9	24
12	9	21	10	4	15	10			
	13/5								
16	10	6							
				9	8	6			
17/1	17/2	17/3	17/4						
4	28	6	8	17/9	17/10	17/11			
8	12	16	12						
12	40	4	28	12	24	16			
16	8	10	26	21	12	12			
20	36	20	36	27	6	14			
24	4	2	10						
28	32	14	40						
32	20	18	4						
36	16	12	18						
40	24	8	24						
	17/5A-5B								
12	4+4+4=12			20/1	20/2	20/3			
14	2+2+2+2+2+2+2=14			5	4	3			
3	3=3			10	8	6			
24	4+4+4+4+4+4=24			15	12	9			
24	3+3+3+3+3+3+3+3=24			20	16	12			
20	2+2+2+2+2+2+2+2+2+2=20			25	20	15			
5	1+1+1+1+1=5			30	24	18			
				35	28	21			
				40	32	24			
				45	36	27			
				50	40	30			
19/1		19/2							
30	15	40	10						
30	20	40	35						
15	20	10	35						

20/4	20/5	20/6	20/7	20/8	21/1A-1B	21/2		
2	6	12	10	12	8	21		
4	12	8	30	35	10	21		
6	28	27	45	6	15	45		
8	70	18	20	18	8	45		
10	40	10	50	7	24	8		
12	12	21	15	24	8	8		
14	18	5	35	40	21			
16	20	6	5	16	45	21/3		
18	20	15	40	24	16	12		
20	14	30	25	40	4	40		
	36	6	45	30		32		
21/4	22/1			22/2		24/1		
20	15	24	10	5	24	24		
12	8		15	21	45	54		
35				4	4	18		
						30		
25/1	25/2	25/3	25/4	25/5	25/6	25/7	25/8	26/1
6	3	8	42	12	6	8	30	8
12	6	28	18	60	12	42	32	8
18	9	10	60	21	15	20	21	18
24	12	40	12	30	30	27	18	18
30	15	18	30	30	24	36	24	
36	18	36	48	18	48	36	32	26/2
42	21	6	6	48	30	48	12	
48	24	12	54	24	60	24	18	16
54	27	12	36	6	18	54	60	16
60	30	24	24	54	36	14	12	10
				42	54	28	18	10
26/3	26/4		26/5		26/6		29/1	
30	6	12	3	9	6	12	10	7
20	10	20	5	15	18	36	30	14
30	14	28	7	21	24	48	40	21
30	8	16	4	12	30	60	50	28
								35
29/2	29/3	29/4	29/5	29/6	29/7	29/8		42
6	5	4	3	2	1			49
12	10	8	6	4	7	2	24	56
18	15	12	9	6	8	2	12	63
24	20	16	12	8	9	2	60	70
30	25	20	15	10	3	10	42	
36	30	24	18	12	4		18	
42	35	28	21	14	5		54	
48	40	32	24	16	6			
54	45	36	27	18				
60	50	40	30	20				

Kotaszek Hedvig: KISZÁMOLÓ Szorzás-osztás 2.o.

30/1	30/2	30/3	30/4	30/5	30/6	31/2	31/4
28	6	4	12	30	12	18	28
42	24	8	42	21	28	18	28
70	74	12	6	56	15	35	8
14	20	24	30	35	24	35	8
63	18	16	27	28	18		
35	12	32	54	45	4	31/3	
7	32	6	15	14	30		
56	12	12	36	20	56	32	
21	10	18	24	40	27	32	
49	36	36	48	42	40	15	
				15	36	15	

30/7

6	12	9	18	15	3	21
10	20	15	30	25	5	35
20	40	30	60	50	10	70
16	32	24	48	40	8	56
8	16	12	24	20	4	28
4	8	6	12	10	2	14

30/8

18	30	12	6	36	24	42
6	10	4	2	12	8	14
21	35	14	7	42	28	49
12	20	8	4	24	16	28
27	45	18	9	54	36	63
3	5	2	1	6	4	7
30	50	20	10	60	40	70
9	15	6	3	18	12	21

31/1A-1B

20	4 · 5 = 20	32/1	35/1	35/2A-2B
12	6 · 2 = 12	15	32	56
18	3 · 6 = 18	42	20	56
20	5 · 4 = 20	4	18	35
27	9 · 3 = 27		30	48
14	2 · 7 = 14	32/2	6	20
35	7 · 5 = 35			18
5	5 · 1 = 5	28	30	14
56	8 · 7 = 56	8	15	4
20	10 · 2 = 20			

36/1	36/2	36/3	36/4	36/5	36/6	36/7	36/8
8	7	5	32	24	30	4	12
16	14	12	56	8	21	8	24
24	21	18	24	18	54	16	24
32	28	24	8	40	12	8	48
40	35	30	40	48	24	16	6
48	42	36	64	16	48	32	12
56	49	42	80	72	30	12	21
64	56	48	16	28	27	24	42
72	63	54	42	10	12	48	27
80	70	60	48	36	18	16	54
				56	42	32	60

37/1			37/2			37/3			37/4			37/5			
9	18	21	4	8	16	30	35	40	30	60		16	24	8	
21	42	49	12	24	48	48	56	64	10	20		28	42	16	
12	24	28	8	16	32	18	21	24	50	100		20	30	10	
27	54	63	16	32	64	54	63	72	35	70		36	54	18	
6	12	14	20	40	80	42	49	56	5	10		24	36	12	
15	30	35	14	28	56	12	14	16	40	80		12	18	6	
37/6			37/7			37/8			37/9						
10	14	6	5	40	30	24	56		30	20	15	10			
25	35	15	3	24	18	12	28		12	8	6	4			
50	40	30	9	72	54	30	70		42	28	21	14			
15	21	9	2	16	12	15	35		54	36	27	18			
30	42	18	6	48	36	18	42		37/10			37/11			
45	63	27	8	64	48	9	21								
37/12A-12B			40/1			40/2			30 48 36 24			12 28 24 32			
28	4	7=28	54		63	15	24	18	12	18	42	36	48		
18	6	3=18	54		63	50	80	60	40	27	63	54	72		
40	8	5=40	36		90	35	56	42	28	6	14	12	16		
24	3	8=24	36		90	41/5			41/6			41/7			
42	7	6=42	27		45							41/8			
40	5	8=40	27		45										
41/1			41/2			41/3			41/4						
9		8			7			6	16		24	36	6	12	18
18		16			14			12	28		24	18	15	30	45
27		24			21			18	30		28	54	21	42	63
36		32			28			24	40		45	27	30	60	90
45		40			35			30	36		45	90	9	18	27
54		48			42			36	64		48	45	24	48	72
63		56			49			42	63		48	63	18	36	54
72		64			56			48	42		72	9	12	24	36
81		72			63			54	70		30	72	12	24	36
90		80			70			60	48		56	81	20	45	35
42/1			42/3			42/4			4 3/1			4 3/2			
28	30	28	16	16		27			18		32	36	4	9	21
45						27			14		21	24	12	27	42
42/2			16			27			28		48	76	36	28	
45	18	10				27			40		54	32	72	56	
	18	10				27			27		28	28	63	49	
									30		14				
									4		45				
									36		63				
									36		12				
									42		16				

43/3	43/4	43/5	43/6	43/7	43/8	46/1	47/1	47/2
18	35	35	45	40	32	40	10	9
24	18	20	48	63	24	40	20	18
35	30	30	21	24	24	40	30	27
72	24	81	36	63	18	40	40	36
8	48	32	28	24	49	40	50	45
36	54	72	56	70	35	40	60	54
45	72	12	16	18	54	46/2	70	54
42	24	48	54	64	36	60	80	63
16	35	90	56	60	21	60	90	72
56	40	56	36	25	56	60	100	81
		56	18	42	28	60		90
47/3	47/4	47/5	47/6	47/7	47/8	60	48/2	48/3
8	7	36	42	30	70	48/1	2	3
16	14	42	21	48	20	1/1	4	6
24	21	24	54	36	50	2	6	9
32	28	60	56	70	90	3	8	12
40	35	45	24	12	40	4	10	15
48	42	14	63	49	80	5	12	18
56	49	64	56	100	60	6	14	21
64	56	90	81	64	100	7	16	24
72	63	21	42	18	30	8	18	27
80	70	63	72	35	10	9	20	30
		48	28	81	60	10		
48/4	48/5	48/6	48/7	48/8	49/1	49/2	49/3	49/4
4	5	6	7	8	9	10	18	28
8	10	12	14	16	18	20	16	27
12	15	18	21	24	27	20	20	28
16	20	24	28	32	36	40	30	24
20	25	30	35	40	45	50	40	32
24	30	36	42	48	54	60	50	45
28	35	42	49	56	63	70	60	12
32	40	48	56	64	72	80	70	72
36	45	54	63	72	81	90	80	56
40	50	60	70	80	90	100	90	42
							32	48
49/5	49/6	54/1A-1B		54/2A-2B				
42	45	6	6	8	4			
42	45	3	3	10	5			
42	45	10	10	9	9			
		5	5					
	52	7						
	52							
8	10	6	7	9				

Kotaszek Hedvig: KISZÁMOLÓ Szorzás-osztás 2.o.



63 6	63 7	63 8	64 1	64 3	66 1A-1B	67 1	67 2	
3 2 1 10 2 7 7 8	5 2 7 10 1 7 3 6 4 8 2	6 8 3 6 5 7 8 8 4	7 6 5 7 10 64 2	6 4 3 8 4 9 7 64 4	3 5 1 66 2 4 6 67 7	6 10 2 66 3 2 6 3 67 8	1 2 3 4 5 6 7 8 9 10 70 1	1 2 3 4 5 6 7 8 9 10 70 2
67 3	67 4	67 5	67 6	70 5	70 6	70 7	70 8	75 1
1 2 2 5 5 7 8 9 10	1 2 3 4 5 6 7 8 9 10	1 2 3 4 5 6 7 8 9 10	1 2 3 4 5 6 7 8 9 10	6 2 1 5 3 7 9 8 4 10 8	2 7 5 1 3 10 8 9 5 4 6 8	3 9 5 8 3 6 7 4 8 4 9 7	0 7 1 0 2 7 0 7 4 0 0 1 2 7	1 2 3 4 5 6 7 8 9 10
70 3	70 4							75 2
5 : 5 = 1 10 : 5 = 2 15 : 5 = 3 20 : 5 = 4 25 : 5 = 5 30 : 5 = 6 35 : 5 = 7 40 : 5 = 8 45 : 5 = 9 50 : 5 = 10	4 : 4 = 1 8 : 4 = 2 12 : 4 = 3 16 : 4 = 4 20 : 4 = 5 24 : 4 = 6 28 : 4 = 7 32 : 4 = 8 36 : 4 = 9 40 : 4 = 10							1 2 3 4 5 6 7 8 9 10
72 1A-1B	72 2	71 1	71 2	71 3				
3 5 6 2 2	7 7 4 4 4	3 9 7 8	4 7 6 4 2 7	5 7 3 7 7 1	3 7 4 6 3 5			
								1 2 3 4 5 6 7 8 9 10

Kotaszek Hedvig: KISZÁMOLÓ Szorzás-osztás 2.o.

75 3	75 4	75 5	75 6	76 3		
8 : 8 = 1 16 : 8 = 2 24 : 8 = 3 32 : 8 = 4 40 : 8 = 5 48 : 8 = 6 56 : 8 = 7 64 : 8 = 8 72 : 8 = 9 80 : 8 = 10	7 : 7 = 1 14 : 7 = 2 21 : 7 = 3 28 : 7 = 4 35 : 7 = 5 42 : 7 = 6 49 : 7 = 7 56 : 7 = 8 63 : 7 = 9 70 : 7 = 10	6 : 6 = 1 12 : 6 = 2 18 : 6 = 3 24 : 6 = 4 30 : 6 = 5 36 : 6 = 6 42 : 6 = 7 48 : 6 = 8 54 : 6 = 9 60 : 6 = 10	5 : 5 = 1 10 : 5 = 2 15 : 5 = 3 20 : 5 = 4 25 : 5 = 5 30 : 5 = 6 35 : 5 = 7 40 : 5 = 8 45 : 5 = 9 50 : 5 = 10	2 5 7 9 14 3 6 8 10		
75 7	75 8	76 1	76 2	76 4		
4 : 4 = 1 8 : 4 = 2 12 : 4 = 3 16 : 4 = 4 20 : 4 = 5 24 : 4 = 6 28 : 4 = 7 32 : 4 = 8 36 : 4 = 9 40 : 4 = 10	3 : 3 = 1 6 : 3 = 2 9 : 3 = 3 12 : 3 = 4 15 : 3 = 5 18 : 3 = 6 21 : 3 = 7 24 : 3 = 8 27 : 3 = 9 30 : 3 = 10	2 : 2 = 1 4 : 2 = 2 6 : 2 = 3 8 : 2 = 4 10 : 2 = 5 12 : 2 = 6 14 : 2 = 7 16 : 2 = 8 18 : 2 = 9 20 : 2 = 10	1 : 1 = 1 2 : 1 = 2 3 : 1 = 3 4 : 1 = 4 5 : 1 = 5 6 : 1 = 6 7 : 1 = 7 8 : 1 = 8 9 : 1 = 9 10 : 1 = 10	5 1 8 4 9 2 6 0 3 7		
76 5	76 6	76 7	76 8	77 1	77 2	77 5
8 16 24 32 40 48 56 64 72 80	4 8 12 16 20 24 28 32 36 40	6 12 18 24 30 36 42 48 54 60	7 14 21 28 35 42 49 56 63 70	5 : 5 = 1 10 : 5 = 2 15 : 5 = 3 20 : 5 = 4 25 : 5 = 5 30 : 5 = 6 35 : 5 = 7 40 : 5 = 8 45 : 5 = 9 50 : 5 = 10	6 : 6 = 1 12 : 6 = 2 18 : 6 = 3 24 : 6 = 4 30 : 6 = 5 36 : 6 = 6 42 : 6 = 7 48 : 6 = 8 54 : 6 = 9 60 : 6 = 10	3 6 9 12 15 18 21 24 27 30
77 3	77 4	77 6	77 7	77 8	80 1	80 3
7 : 7 = 1 14 : 7 = 2 21 : 7 = 3 28 : 7 = 4 35 : 7 = 5 42 : 7 = 6 49 : 7 = 7 56 : 7 = 8 63 : 7 = 9 70 : 7 = 10	8 : 8 = 1 16 : 8 = 2 24 : 8 = 3 32 : 8 = 4 40 : 8 = 5 48 : 8 = 6 56 : 8 = 7 64 : 8 = 8 72 : 8 = 9 80 : 8 = 10	2 4 6 8 10 12 14 16 18 20	2 4 6 8 10 12 14 16 18 20	3 6 9 12 15 18 21 24 27 30	1 2 3 4 5 6 7 8 9 10	3 6 9 12 15 18 21 24 27 30

81 1	81 2	81 3	81 4	81 5	81 6	81 7	81 8	82 1
1 2 3 4 5 6 7 8 9 10	1 2 3 4 5 6 7 8 9 10	1 2 3 4 5 6 7 8 9 10	1 2 3 4 5 6 7 8 9 10	4 2 4 4 7 2 8 8 8 7 8	2 10 6 3 8 1 4 7 5 6 6	5 0 2 2 7 2 2 8 7 3	6 2 3 10 2 7 6 3 4 4 6	3 2 9 8 8 7 3 2 2 1
82 2	82 3	82 4	82 5	82 6	82 7	82 8	83 4	83 1
7 8 0 7 6 7 9 4 9 4 4	8 0 7 4 5 0 0 3 6 0 5 7 4	5 0 7 0 1 5 0 9 7 7 4	3 3 3 10 2 2 4 7 7 3 6 4	4 7 7 5 6 8 9 1 9 8 7 6	2 2 2 2 2 8 4 9 0 8 8 8	8 1 0 7 3 5 5 5 3 5 1 0 5	4 : 4 = 1 8 : 4 = 2 12 : 4 = 3 16 : 4 = 4 20 : 4 = 5 24 : 4 = 6 28 : 4 = 7 32 : 4 = 8 36 : 4 = 9 40 : 4 = 10	83 1
83 1	83 2	83 3	83 5	83 6	83 7	83 8	86 2	
1 : 1 = 1 2 : 1 = 2 3 : 1 = 3 4 : 1 = 4 5 : 1 = 5 6 : 1 = 6 7 : 1 = 7 8 : 1 = 8 9 : 1 = 9 10 : 1 = 10	2 : 2 = 1 4 : 2 = 2 6 : 2 = 3 8 : 2 = 4 10 : 2 = 5 12 : 2 = 6 14 : 2 = 7 16 : 2 = 8 18 : 2 = 9 20 : 2 = 10	3 : 3 = 1 6 : 3 = 2 9 : 3 = 3 12 : 3 = 4 15 : 3 = 5 18 : 3 = 6 21 : 3 = 7 24 : 3 = 8 27 : 3 = 9 30 : 3 = 10	5 : 5 = 1 10 : 5 = 2 15 : 5 = 3 20 : 5 = 4 25 : 5 = 5 30 : 5 = 6 35 : 5 = 7 40 : 5 = 8 45 : 5 = 9 50 : 5 = 10	6 : 6 = 1 12 : 6 = 2 18 : 6 = 3 24 : 6 = 4 30 : 6 = 5 36 : 6 = 6 42 : 6 = 7 48 : 6 = 8 54 : 6 = 9 60 : 6 = 10	7 : 7 = 1 14 : 7 = 2 21 : 7 = 3 28 : 7 = 4 35 : 7 = 5 42 : 7 = 6 49 : 7 = 7 56 : 7 = 8 63 : 7 = 9 70 : 7 = 10	8 : 8 = 1 16 : 8 = 2 24 : 8 = 3 32 : 8 = 4 40 : 8 = 5 48 : 8 = 6 56 : 8 = 7 64 : 8 = 8	72 : 8 = 9 80 : 8 = 10	9 5
						86 1A-1B		
						3 10 6 10 2 10		

Kotaszek Hedvig: KISZÁMOLÓ Szorzás-osztás 2.o.

87/1	87/2	87/3	87/4	87/7	88/1	88/3	89/1	89/2
1	1	l <sub>0</sub> s <sub>0</sub> d	l <sub>0</sub> s <sub>0</sub> d	l <sub>0</sub> s <sub>0</sub> d	7	5	3	8
2	2	↓	↓	↓	4	4	5	8
3	3	83/8	83/7	83/4	3	6	2	7
4	4				5	7	4	7
5	5					4	4	5
6	6	87/5	87/6	87/8	88/2	6	3	9
7	7						6	9
8	8	l <sub>0</sub> s <sub>0</sub> d	l <sub>0</sub> s <sub>0</sub> d	l <sub>0</sub> s <sub>0</sub> d	8	90/1	9	4
9	9	↓	↓	↓	9		9	5
10	10	83/6	83/5	83/3	3	8	3	7
					4	6	9	7
89/3	89/4	89/5	89/6	89/7	2	2	6	
6	4	10	10	8	89/8	90/2		
3	4	2	9	6				
2	6	8	7	7	3	8	8	3
2	10	2	7	7	2			
6	1	2	0	3	1	90/3		
3	2	4	9	6	7			
5	5	4	6	9	5	6	7	3
7	6	7	7	8	10			
7	9	5	3	8	4			
9	8	6	3	8	2			
					1			
					7			
94/1A-1B	94/2A-2B							
5mert	10	6mert.	24		94/3A-3B			
9	18	9	9 · 4 = 36	3				
4	8	3	3 · 4 = 12	7	7 · 3 = 21			
4	14	7	7 · 4 = 28	10	10 · 3 = 30			
				8	8 · 3 = 24			
94/5A-5B		94/6A-6B		5	5 · 3 = 15			
2	10	3						
5	5 · 5 = 25	6	6 · 10 = 60		95/1A-1B			
10	10 · 5 = 50	9	9 · 10 = 90	7				
7	7 · 5 = 35	5	5 · 10 = 50	4	4 · 7 = 28			
3	3 · 5 = 15	8	8 · 10 = 80	6	6 · 7 = 42			
				8	8 · 7 = 56			
				9	9 · 7 = 63			
				10	10 · 7 = 70			
				5	5 · 7 = 35			
95/2A-2B	95/3A-3B							
2	2 · 8 = 16	3	3 · 9 = 27					
4	4 · 8 = 32	4	4 · 9 = 36					
8	8 · 8 = 64	6	6 · 9 = 54					
2	2 · 8 = 16	7	7 · 9 = 63					
9	9 · 8 = 72	9	9 · 9 = 81					
6	6 · 8 = 48	2	2 · 9 = 18					

Kotaszek Hedvig: KISZÁMOLÓ Szorzás-osztás 2.o.

95/4A-4B				95/5A-5B				95/6A-6B																			
3	3	4	=12	7	7	5	=35	9	9	2	=18																
3	3	5	=15	6	6	7	=42	4	4	6	=24																
5	5	6	=30	2	2	8	=16	5	5	10	=50																
5	5	8	=40	3	3	4	=12	9	9	3	=27																
8	8	3	=24	1	1	6	=6	5	5	8	=40																
3	3	7	=21	5	5	3	=15	10	10	1	=10																
				3	3	9	=27	7	7	4	=28																
96/1A-1B				96/2A-2B				96/3A-3B				96/4A-4B															
12	12			24	24			28	28	4	=7	18	18														
8	8			16	16			16	16	2	=8	48	48														
15	15			63	63			27	27	9	=3	56	56														
24	24			14	14	2		30	30	5	=6	45	45														
7	7			20	20	5		28	28	7	=4	21	21	7													
24	24			32	32	4		40	40	8	=5	54	54	9													
18	18			18	18	6																					
				45	45	9		97/1A-1B				97/2A-2B				97/3											
96/5A-5B				96/6A-6B				28	28	1	=28	6	6			28	28										
3	3			4	4			9	9			6	6			48	48										
8	8			7	7	6		32	32			4	4			36	36										
		72		5	5	35		18	18			40	40			1	1										
		56		6	6	36		5	5			7	7			6	6										
97/4				97/5				97/7A-7B				98/1				98/2				98/3				98/4			
45				35				3	3	8	=24	35				18				7				4			
5				3				18	18	3	=56	27				40				6				7			
56				8				8	8	7	=56	48				18				4				4			
7				24				2	2	4	=72	48				32				4				4			
24				32				8	8	9	=72	40				32				2				4			
2				4								18				56				2				4			
97/6				97/8A-8B				98/1				98/2				98/3				98/4							
6	12	8	16	36	9	9	7	=63	35				18				7				4						
18	36	24	48	66	36	3	9	=48	27				40				6				7						
12	24	16	32	24	24	3	3	=48	48				18				4				4						
24	48	32	64	19	19	3	6	=54	48				32				2				4						
9	18	12	24									56				2				4							
21	42	28	56									20				2				4							
15	30	20	40									35				6				4							
3	6	4	8									24				6				4							
30	60	40	80									72				6				4							
27	54	36	72									36				6				4							

98/5A-5B			98/6A-6B			100/3A-3B		100/4	
18	18	: 3 = 6	6	6	· 4 = 24	8	8	21 = 21	
42	42	: 6 = 7	7	7	· 2 = 14	42	42	40 = 40	
16	16	: 2 = 8	2	2	· 9 = 18	8	8	32 = 32	
72	72	: 8 = 9	9	9	· 8 = 72	18	18	12 = 12	
28	28	: 4 = 7	8	8	· 3 = 24	27	27	35 = 35	
12	12	: 6 = 2	4	4	· 6 = 24	36	36	36 = 36	
56	56	: 8 = 7	7	7	· 5 = 35	6	6		
27	27	: 3 = 9	3	3	· 7 = 21	100/5		100/6	
20	20	: 4 = 5	5	5	· 9 = 45	24 = 24			
48	48	: 8 = 6	4	4	· 8 = 32	12 = 12			
54	54	: 6 = 9				48 = 48			
99/1A-1B			99/2A-2B			28 = 28			
21	21	: 7 = 3	6	6	· 6 = 36	72 = 72			
16	16	: 2 = 8	2	2	· 7 = 14	16 = 16			
36	36	: 4 = 9	2	2	· 4 = 8	100/7			
30	30	: 5 = 6	10	10	· 7 = 70				
16	16	: 8 = 2	10	10	· 3 = 30				
15	15	: 3 = 5	10	10	· 8 = 80				
42	42	: 6 = 7	2	2	· 9 = 18				
36	36	: 9 = 4	2	2	· 5 = 10				
8	8	: 8 = 1	2	2	· 7 = 14				
24	24	: 4 = 6	2	2	· 5 = 10				
18	18	: 6 = 3	2	2	· 4 = 8				
40	40	: 5 = 8	2	2	· 1 = 2				
45	45	: 5 = 9	2	2	· 6 = 12				
18	18	: 2 = 9	2	2	· 8 = 16				
14	14	: 2 = 7	2	2	· 5 = 10				
56	56	: 7 = 8	2	2	· 5 = 10				
16	16	: 4 = 4	2	2	· 7 = 14				
54	54	: 6 = 9	2	2	· 9 = 18				
24	24	: 3 = 8	2	2	· 7 = 14				
54	54	: 6 = 9	2	2	· 9 = 18				
56	56	: 7 = 8	2	2	· 8 = 16				
40	40	: 5 = 8	2	2	· 6 = 12				
28	28	: 4 = 7	2	2	· 5 = 10				
100/1A-1B			100/2A-2B						
7		7	18	18	18				
2		2	36	36	36				
9		9	14	14	14				
3	27 : 9 =	3	24	24	24				
6	18 : 3 =	6	56	56	56				
9	63 : 7 =	9	48	48	48				



