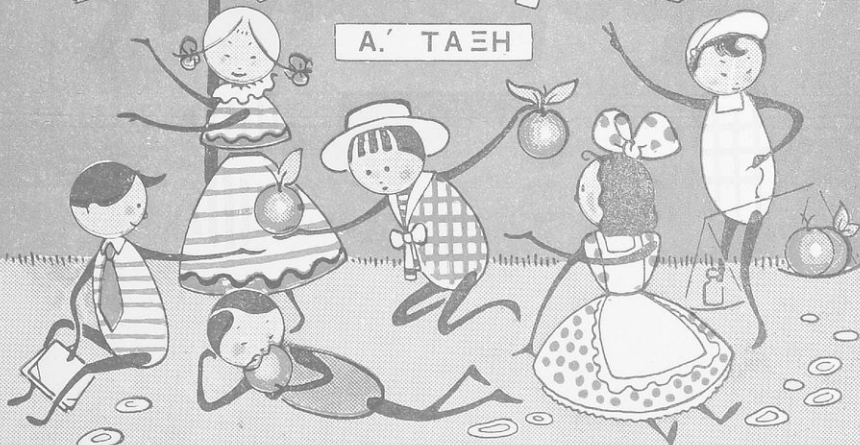


ΑΓΛΑΪΑΣ ΜΕΤΑΛΛΙΝΟΥ

Για να  
μετράμε  
και να  
λογαριάζουμε

Α΄ ΤΑΞΗ



ΕΚΔΟΤΙΚΟΣ ΟΙΚΟΣ "ΑΘΗΝΑ"

ΕΥΡΥΠΙΔΟΥ-6-ΑΘΗΝΑΙ

Λευκό

**Γιὰ νὰ μετράμε καὶ  
νὰ λογαριάζουμε**

**Τεύχος Α'**

Εικονογράφηση Π. Τέρκα

**Γιὰ τὴν Α' Τάξη**



Ἐκδότης: Ἰ. Α. Ράλλης  
Εὐριπίδου 6 ΑΘΗΝΑΙ 1949

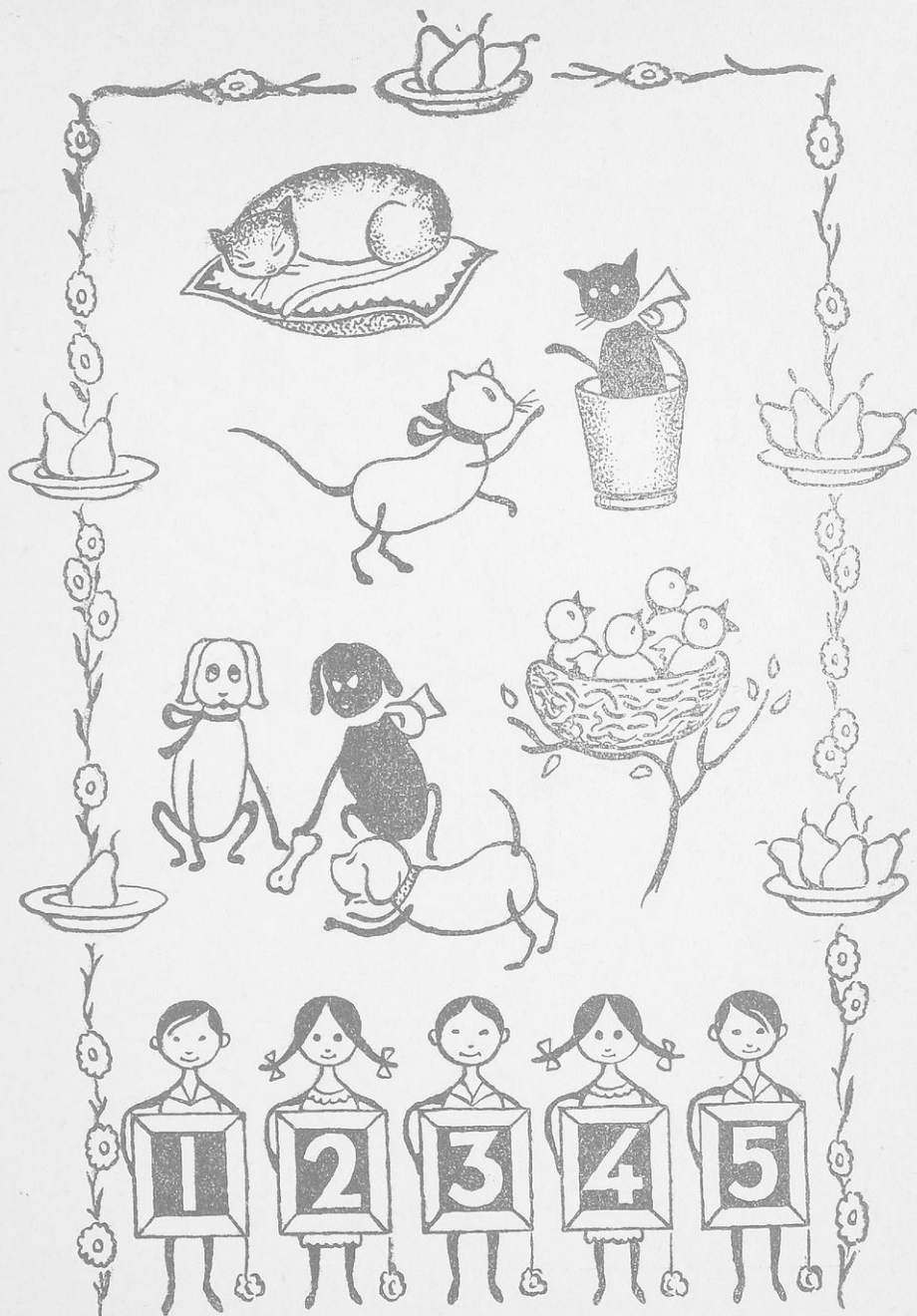




Τὰ παιδιά με τις καρτέλλες

Ψηφιοποιήθηκε από το Ινστιτούτο Εκπαιδευτικής Πολιτικής

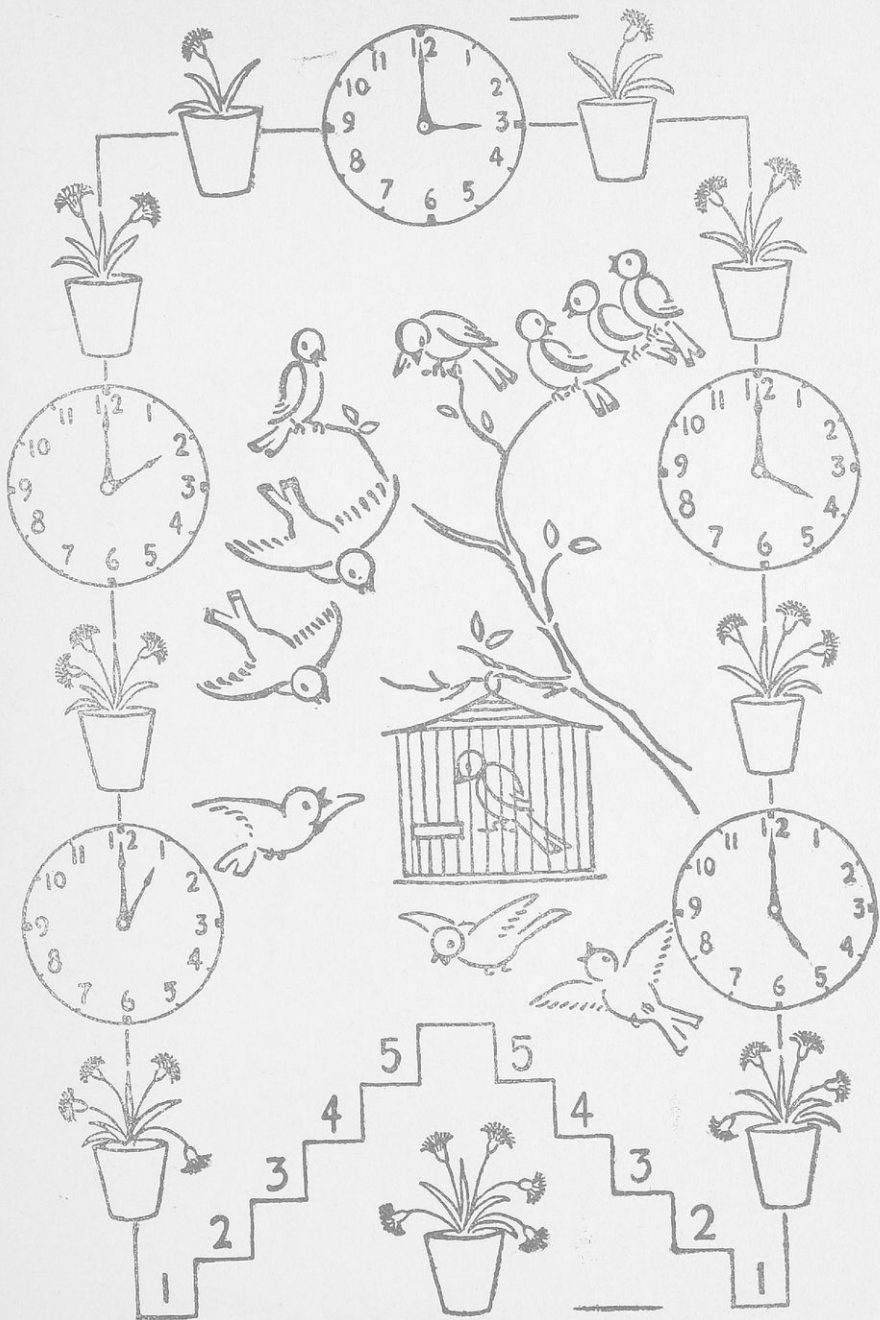




**“Ένα - δύο - τρία - τέσσερα - πέντε**  
Ψηφιοποιήθηκε από το Ινστιτούτο Εκπαιδευτικής Πολιτικής







## Πουλάκια, γλάστρες, ρολόγια

Ψηφιοποιήθηκε από το Ινστιτούτο Εκπαιδευτικής Πολιτικής





1+1



2+1



3+1

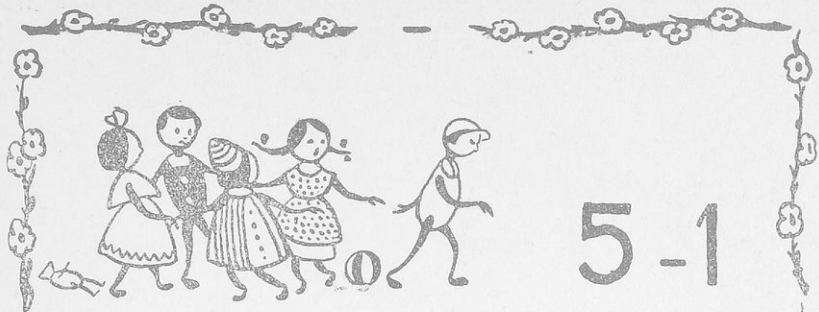


4+1



5





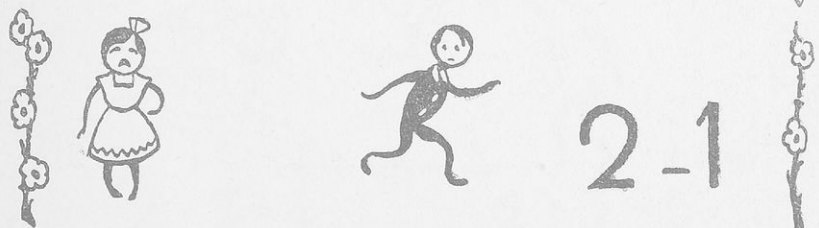
5-1



4-1



3-1

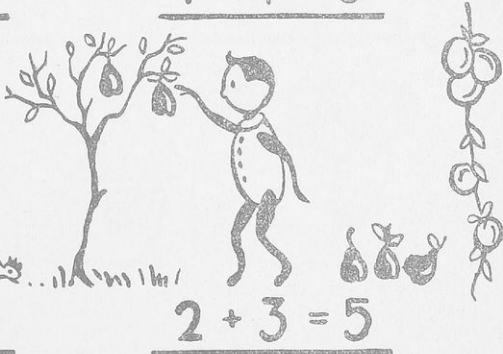
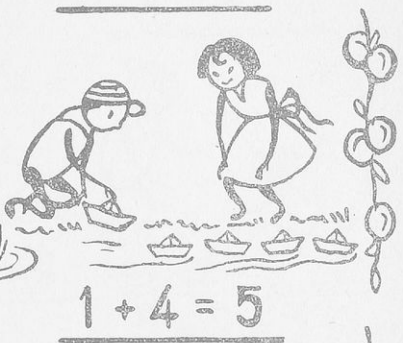
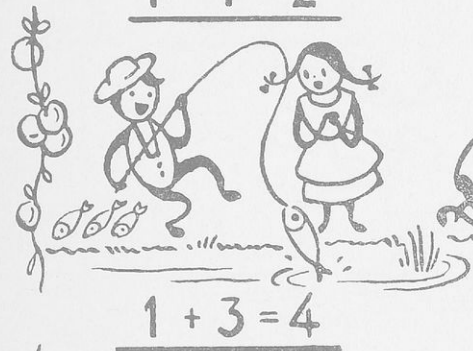


2-1



1-1





$2 + 1 =$	$1 + 2 =$	$2 + . = 3$	$1 + . = 3$
$3 + 1 =$	$1 + 3 =$	$3 + . = 4$	$2 + . = 4$
$4 + 1 =$	$1 + 4 =$	$4 + . = 5$	$1 + . = 5$
$2 + 2 =$	$1 + 1 =$	$3 + . = 5$	$2 + . = 5$

## Προβληματάκια με πρόσθεση

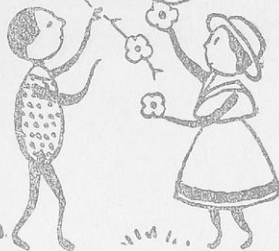
Ψηφιοποιήθηκε από το Ινστιτούτο Εκπαιδευτικής Πολιτικής







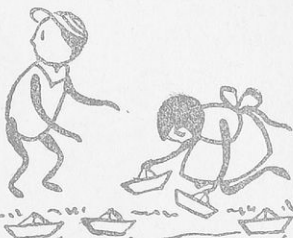
$$3 - 2 = 1$$



$$4 - 2 = 2$$



$$4 - 3 = 1$$



$$5 - 2 = 3$$



$$5 - 3 = 2$$



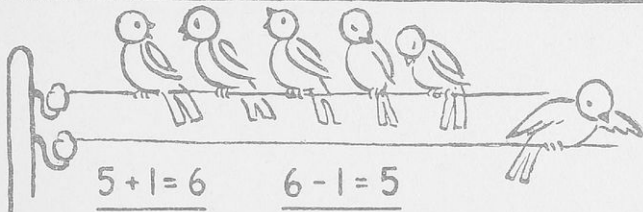
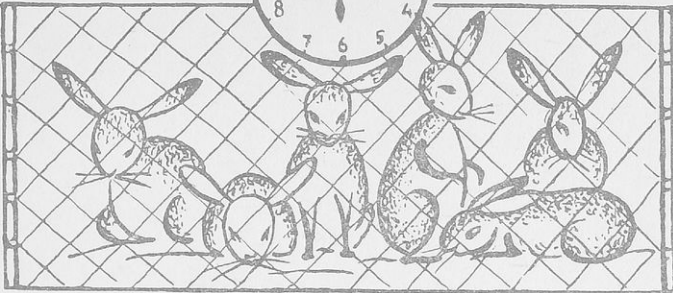
$$5 - 4 = 1$$

5 - 1 =	5 - 4 =	5 - . = 3	5 - . = 2
4 - 1 =	4 - 3 =	4 - . = 1	4 - . = 3
3 - 1 =	3 - 2 =	3 - . = 1	3 - . = 2
2 - 1 =	4 - 2 =	4 - . = 2	5 - . = 4

### Προβλημάκια μ' αφαίρεση

Ψηφιοποιήθηκε από το Ινστιτούτο Εκπαιδευτικής Πολιτικής





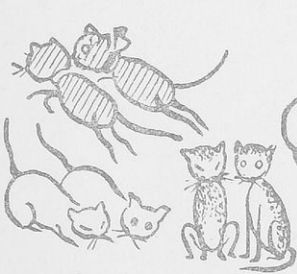
$$5 + 1 = 6$$

$$6 - 1 = 5$$

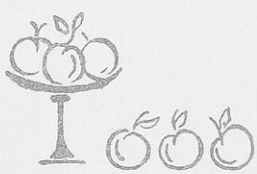


$$4 + 2 = 6$$

$$6 - 2 = 4$$



$$2 + 2 + 2 = 6$$



$$3 + 3 = 6$$

$$6 - 3 = 3$$

$$2 = 1 + 1$$

$$4 = 2 + 2$$

$$6 - 2 =$$

$$6 - \cdot = 5$$

$$3 = 2 + 1$$

$$5 = 4 + 1$$

$$6 - 4 =$$

$$6 - \cdot = 1$$

$$4 = 3 + 1$$

$$5 = 3 + 2$$

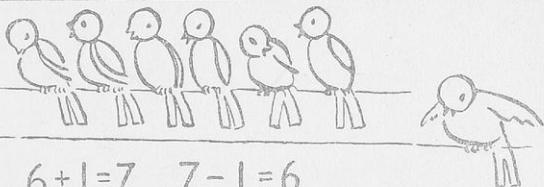
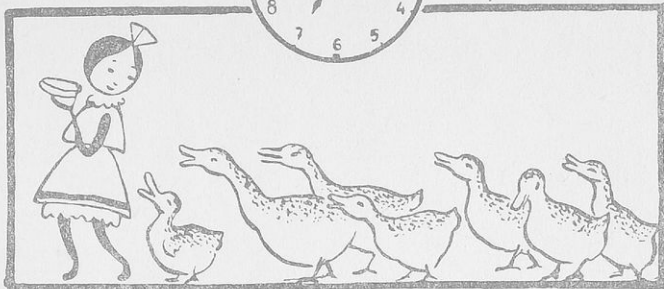
$$6 - 5 =$$

$$6 - \cdot = 3$$

### “Εξη κουνέλια

Ψηφιοποιήθηκε από το Ινστιτούτο Εκπαιδευτικής Πολιτικής





$$6 + 1 = 7 \quad 7 - 1 = 6$$

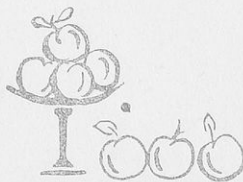


$$5 + 2 = 7$$

$$7 - 2 = 5$$



$$3 + 2 + 2 = 7$$



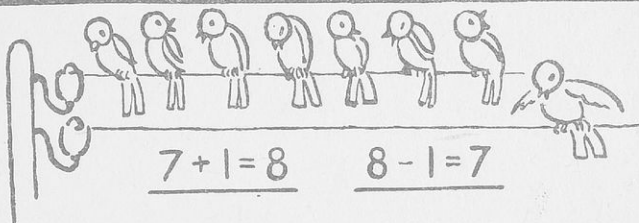
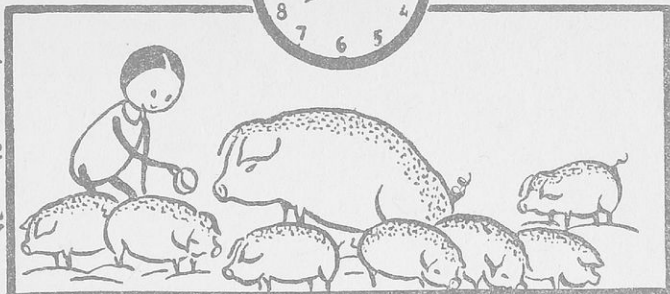
$$4 + 3 = 7$$

$$7 - 3 = 4$$

$6 = 5 + 1$	$2 + 2 + . = 7$	$7 - 3 =$	$7 - . = 5$
$6 = 4 + 2$	$. + 1 + 5 = 7$	$7 - 1 =$	$7 - . = 1$
$6 = 3 + 3$	$4 + . + 1 = 7$	$7 - 4 =$	$7 - . = 2$

### Έφτά χήνες





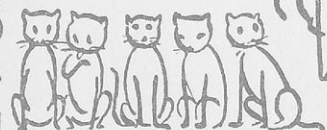
$$7 + 1 = 8$$

$$8 - 1 = 7$$



$$6 + 2 = 8$$

$$8 - 2 = 6$$



$$5 + 3 = 8$$

$$8 - 3 = 5$$

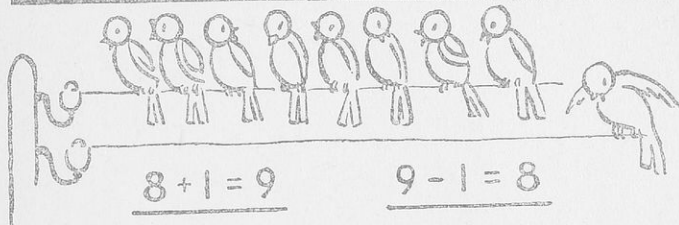
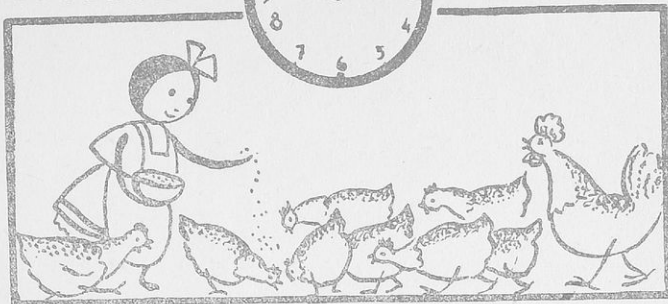
$$4 + 4 = 8$$

$$8 - 4 = 4$$

$7 = 6 + 1$	$1 + 3 + . = 8$	$8 - 2 =$	$8 - . = 1$
$7 = 5 + 2$	$. + 3 + . = 8$	$8 - 6 =$	$8 - . = 5$
$7 = 4 + 3$	$4 + 1 + . = 8$	$8 - 5 =$	$8 - . = 4$







$$8 + 1 = 9$$

$$9 - 1 = 8$$



$$7 + 2 = 9$$

$$9 - 2 = 7$$



$$5 + 4 = 9$$

$$9 - 4 = 5$$

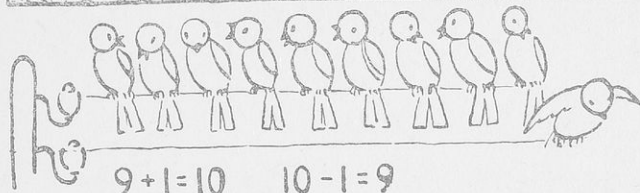
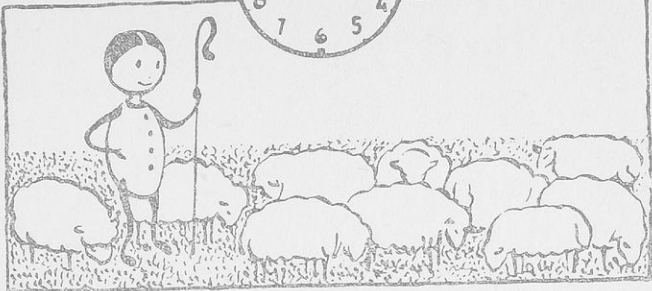
$$3 + 3 + 3 = 9$$

$8 = 7 + 1$	$2 + 2 + \dots = 9$	$9 - 4 =$	$9 - \dots = 8$
$8 = 6 + 2$	$5 + \dots + 2 = 9$	$9 - 2 =$	$9 - \dots = 6$
$8 = 5 + 3$	$\dots + 4 + 3 = 9$	$9 - 6 =$	$9 - \dots = 2$
$8 = 4 + 4$	$4 + \dots + 1 = 9$	$9 - 8 =$	$9 - \dots = 4$

## Έννια Κοτούλες

Ψηφιοποιήθηκε από το Ινστιτούτο Εκπαιδευτικής Πολιτικής

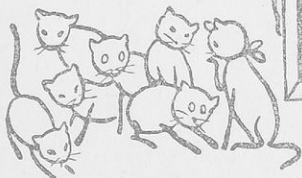




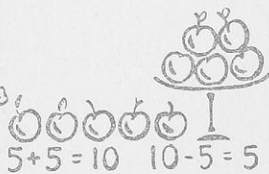
$$8 + 2 = 10 \quad 10 - 2 = 8$$



$$6 + 4 = 10 \quad 10 - 4 = 6$$



$$7 + 3 = 10 \quad 10 - 3 = 7$$



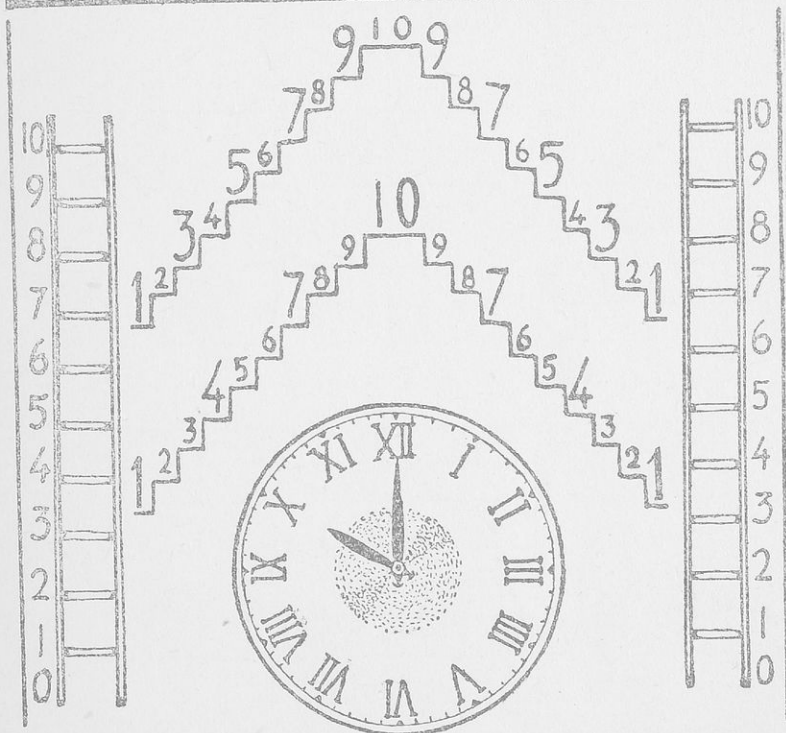
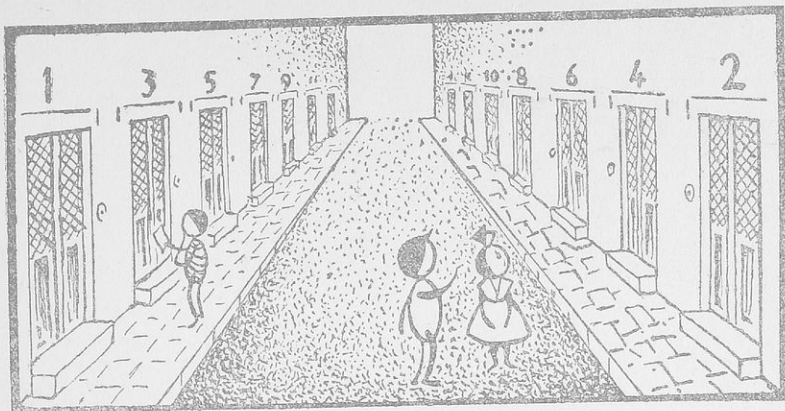
$$5 + 5 = 10 \quad 10 - 5 = 5$$

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

## Δέκα πρόβατα

Ψηφιοποιήθηκε από το Ινστιτούτο Εκπαιδευτικής Πολιτικής





I	II	III	III	V	VI	VII	VIII	IX	X
1	2	3	4	5	6	7	8	9	10

## Μονοί και ζυγοί αριθμοί

Ψηφιοποιήθηκε από το Ινστιτούτο Εκπαιδευτικής Πολιτικής





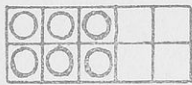
$5 = 4 +$



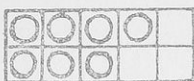
$3 = 2 +$



$2 = 1 +$



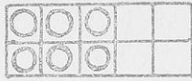
$7 = 6 +$



$8 = 7 +$



$9 = 2 +$



$10 = 6 +$



$4 = 3 +$



$5 = 2 +$



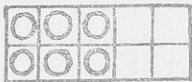
$6 = 3 +$



$7 = 4 +$



$8 = 5 +$



$9 = 6 +$



$10 = 7 +$



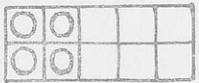
$4 = 2 +$



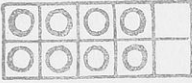
$6 = 5 +$



$7 = 2 +$



$8 = 4 +$



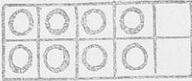
$9 = 8 +$



$10 = 5 +$



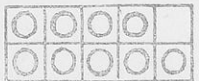
$6 = 4 +$



$10 = 8 +$



$8 = 2 +$



$10 = 9 +$



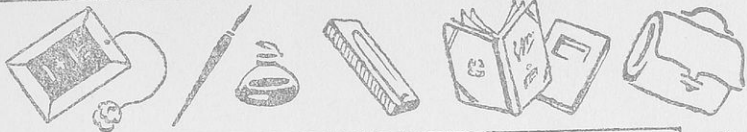
$9 = 4 +$

**Οί κύκλοι με τὰ τετραγώνια**

Ψηφιοποιήθηκε από το Ινστιτούτο Εκπαιδευτικής Πολιτικής



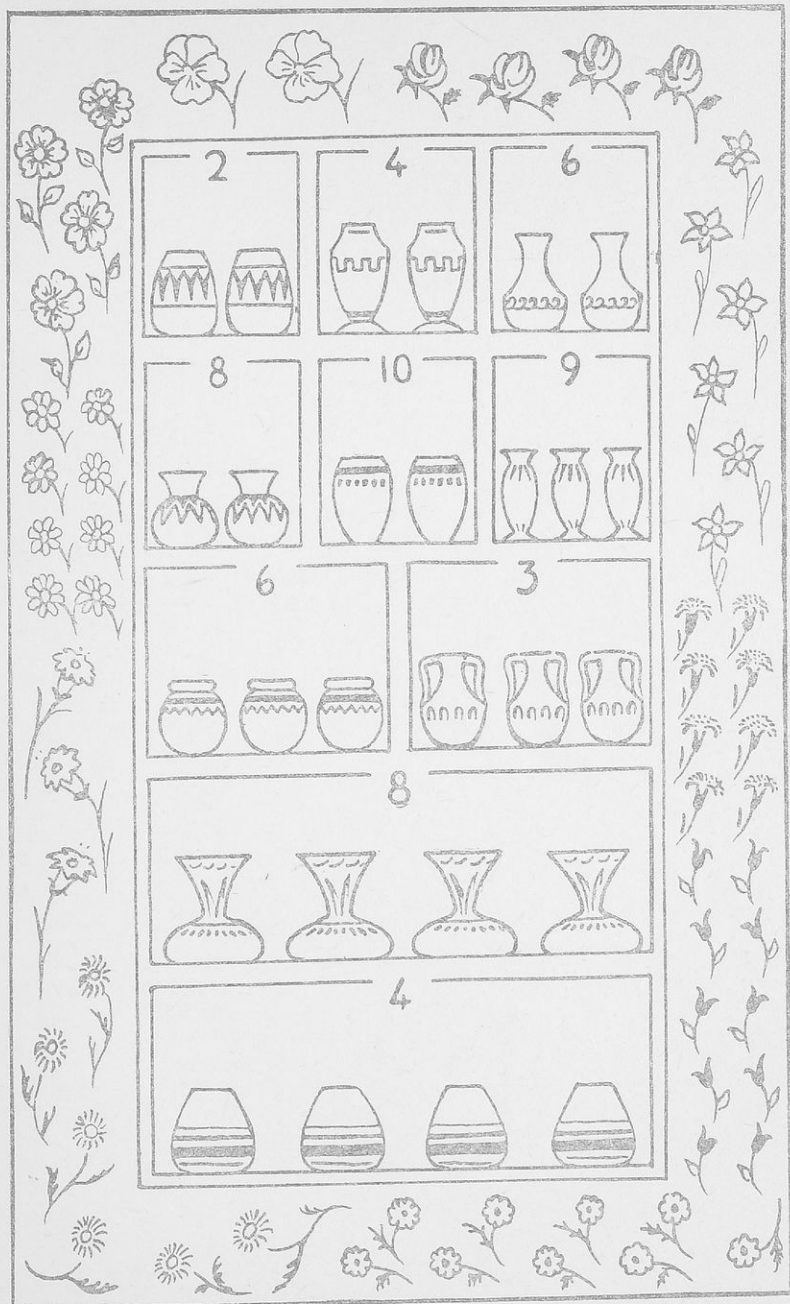




8=	7	3	10	1	5	6	9	4	2	8	=5
5=	10	9	6	2	4	3	7	5	8	1	=9
2=	8	2	7	3	1	9	6	10	4	5	=1
10=	1	5	3	4	3	8	10	9	7	6	=6
7=	3	7	8	5	9	1	2	6	10	4	=2
3=	6	4	5	8	10	2	1	3	9	7	=7
6=	2	8	9	6	3	7	4	1	5	10	=10
1=	9	6	4	10	7	5	3	8	1	2	=4
4=	5	10	1	7	6	4	8	2	3	9	=8
9=	4	1	2	9	8	10	5	7	6	3	=3

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





**Λουλούδια στα βάζα**  
 Ψηφιοποιήθηκε από το Ινστιτούτο Εκπαιδευτικής Πολιτικής

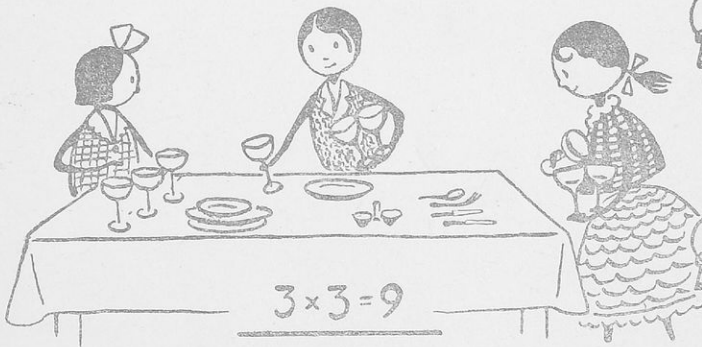




$$\underline{5 \times 2 = 10}$$



$$\underline{4 \times 2 = 8}$$

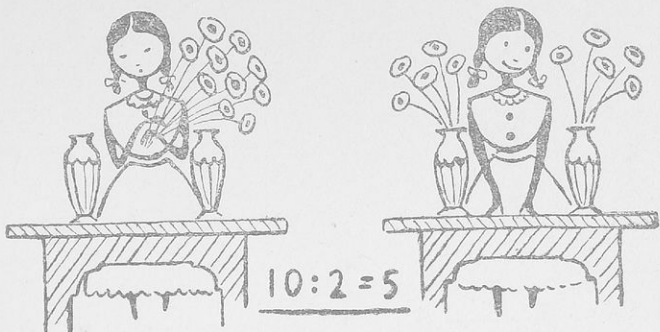


$$\underline{3 \times 3 = 9}$$

$\frac{\circ \circ \circ \circ \circ}{\circ \circ \circ \circ \circ} = 2 \times 5$	} 10	$\frac{\circ \circ \circ \circ \circ}{\circ \circ \circ \circ \circ} = 2 \times 4$	} 8
$\frac{\circ \circ \circ \circ \circ}{\circ \circ \circ \circ \circ} = 5 \times 2$		$\frac{\circ \circ \circ \circ \circ}{\circ \circ \circ \circ \circ} = 4 \times 2$	

## Προβλημάκια με πολλαπλασιασμό



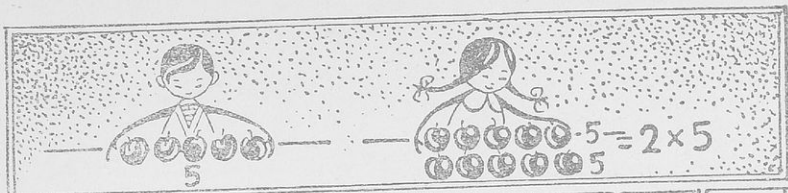


○ ○ ○ ○ ○   ○ ○ ○ ○ ○	=	$10:2=5$
○   ○ ○   ○ ○   ○ ○   ○ ○	=	$10:5=2$
○ ○ ○ ○   ○ ○ ○ ○	=	$8:2=4$
○ ○   ○ ○   ○ ○   ○ ○	=	$8:4=2$

## Προβλημάκια με διαίρεση

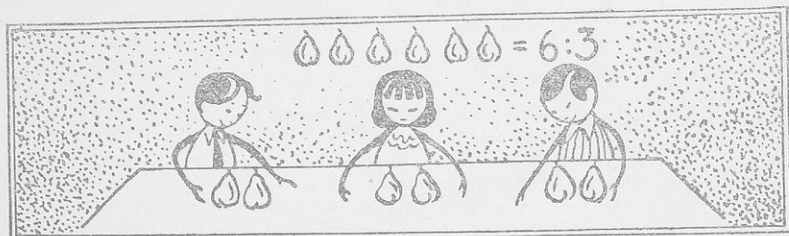






$1 \times 1$ •	$2 \times 1$ • •	$2 \times 2$ •• ••	$2 \times 3$ ••• •••	$2 \times 4$ •••• ••••	$2 \times 5$ ••••• •••••	$3 \times 1$ • • •	$3 \times 2$ •• •• ••	$3 \times 3$ ••• ••• •••
-------------------	------------------------	--------------------------	----------------------------	------------------------------	--------------------------------	-----------------------------	--------------------------------	-----------------------------------

$4 \times 1$ ••• •••	$4 \times 2$ •••• ••••	$5 \times 1$ ••••• •••••	$5 \times 2$ ••••• •••••	$6 \times 1$ •••••• ••••••	$7 \times 1$ ••••••• •••••••	$8 \times 1$ •••••••• ••••••••	$9 \times 1$ ••••••••• ••••~	$10 \times 1$ •••••••••• ••••~
----------------------------	------------------------------	--------------------------------	--------------------------------	----------------------------------	------------------------------------	--------------------------------------	------------------------------------	--------------------------------------



$1 : 1$ •	$2 : 2$ ••	$4 : 2$ ••••	$6 : 2$ ••••••	$8 : 2$ ••••••••	$10 : 2$ ••••~	$3 : 3$ •••	$6 : 3$ ••••••	$9 : 3$ ••••~
--------------	---------------	-----------------	-------------------	---------------------	-------------------	----------------	-------------------	------------------

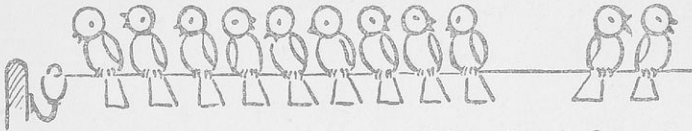
$4 : 4$ ••••	$8 : 4$ ••••~	$5 : 5$ ••••~	$10 : 5$ ••••~	$6 : 6$ ••••~	$7 : 7$ ••••~	$8 : 8$ ••••~	$9 : 9$ ••••~	$10 : 10$ ••••~
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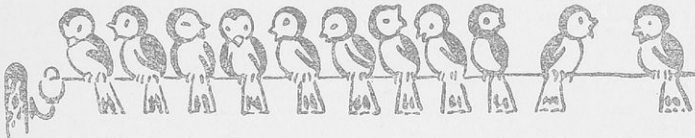
$$10 + 1 = 11$$

$$11 - 1 = 10$$



$$9 + 2 = 11$$

$$11 - 2 = 9$$



$$9 + 1 + 1 = 11$$

$$11 - 1 - 1 = 9$$



$$8 + 3 = 8 + 2 + 1 = 11$$

$$11 - 3 = 11 - 1 - 2 = 8$$



$$7 + 4 = 7 + 3 + 1 = 11$$

$$11 - 4 = 11 - 1 - 2 = 8$$

$$11 = 5 + 3 + 4 + . = 11 \quad 11 - 6 = 5 = 11 -$$

$$11 = 8 + 4 + 5 + . = 11 \quad 11 - 8 = 4 = 11 -$$

$$11 = 9 + 3 + 2 + . = 11 \quad 11 - 5 = 2 = 11 -$$

$$11 = 7 + 5 + 3 + . = 11 \quad 11 - 9 = 3 = 11 -$$

$$11 = 6 + 4 + 2 + . = 11 \quad 11 - 7 = 1 = 11 -$$

## “Έντεκα παπιά”





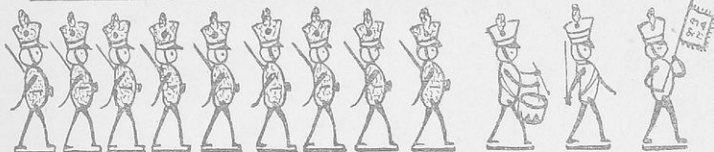
XI = 11

XII = 12



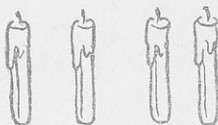
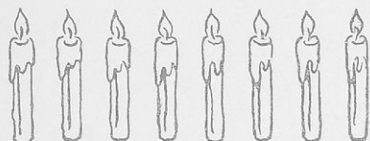
$$10 + 2 = 12$$

$$12 - 2 = 10$$



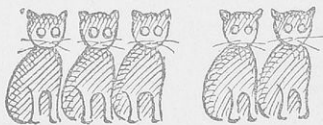
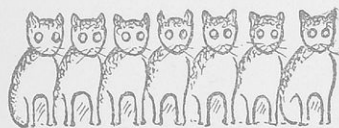
$$9 + 3 = 9 + 1 + 2 = 12$$

$$12 - 3 = 12 - 2 - 1 = 9$$



$$8 + 4 = 8 + 2 + 2 = 12$$

$$12 - 4 = 12 - 2 - 2 = 8$$



$$7 + 5 = 7 + 3 + 2 = 12$$

$$12 - 5 = 12 - 2 - 3 = 7$$

$12 = 10 +$	$1 + 2 + . = 12$	$12 - 2 =$	$6 = 12 -$
$12 = 7 +$	$4 + 3 + . = 12$	$12 - 5 =$	$4 = 12 -$
$12 = 9 +$	$2 + 2 + . = 12$	$12 - 3 =$	$3 = 12 -$
$12 = 8 +$	$1 + 5 + . = 12$	$12 - 4 =$	$5 = 12 -$
$12 = 6 +$	$2 + 0 + . = 12$	$12 - 6 =$	$2 = 12$

## Δώδεκα κοτούλες

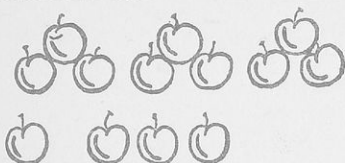
Ψηφιοποιήθηκε από το Ινστιτούτο Εκπαιδευτικής Πολιτικής



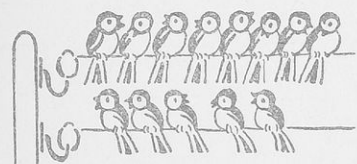
13



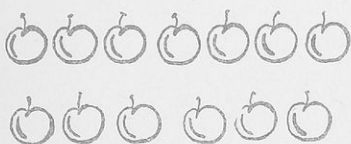
$$10 + 3 = 13 \quad 13 - 3 = 10$$



$$9 + 4 = 9 + 1 + 3 = 13$$



$$13 - 5 = 13 - 3 - 2 = 8$$

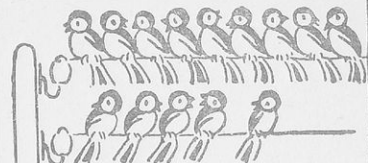


$$7 + 6 = 7 + 3 + 3 = 13$$

14



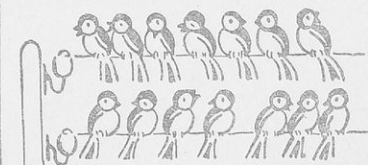
$$10 + 4 = 14 \quad 14 - 4 = 10$$



$$14 - 5 = 14 - 4 - 1 = 9$$



$$8 + 6 = 8 + 2 + 4 = 14$$



$$14 - 7 = 14 - 4 - 3 = 7$$

$$13 = 7 + \quad 13 - 5 = \quad 14 = 11 + \quad 14 - 7 =$$

$$13 = 9 + \quad 13 - 7 = \quad 14 = 10 + \quad 14 - 5 =$$

$$13 = 11 + \quad 13 - 4 = \quad 14 = 7 + \quad 14 - 8 =$$

$$13 = 8 + \quad 13 - 8 = \quad 14 = 5 + \quad 14 - 10 =$$

$$13 = 6 + \quad 13 - 6 = \quad 14 = 6 + \quad 14 - 6 =$$





# 15

$$10 + 5 = 15$$



$$9 + 6 = 9 + 1 + 5 = 15$$

$$15 - 5 = 10$$



$$15 - 6 = 15 - 5 - 1 = 9$$



$$8 + 7 = 8 + 2 + 5 = 15$$



$$15 - 7 = 15 - 5 - 2 = 8$$

# 16

$$10 + 6 = 16$$



$$9 + 7 = 9 + 1 + 6 = 16$$

$$16 - 6 = 10$$



$$16 - 7 = 16 - 6 - 1 = 9$$



$$8 + 8 = 8 + 2 + 6 = 16$$



$$16 - 8 = 16 - 6 - 2 = 8$$

$15 = 6 +$

$15 - 5 =$

$16 = 6 +$

$16 - 8 =$

$15 = 10 +$

$15 - 9 =$

$16 = 8 +$

$16 - 6 =$

$15 = 7 +$

$15 - 6 =$

$16 = 7 +$

$16 - 7 =$

$15 = 9 +$

$15 - 8 =$

$16 = 10 +$

$16 - 9 =$

$15 = 8 +$

$15 - 7 =$

$16 = 9 +$

$16 - 10 =$

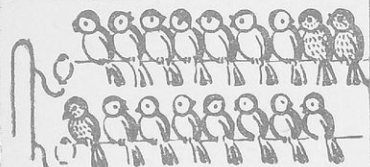
**Δεκαπέντε και δεκαέξη ανθάκια**



17



$10 + 7 = 17$        $17 - 7 = 10$



$9 + 8 = 9 + 1 + 7 = 17$

$8 + 9 = 8 + 2 + 7 = 17$

18



$10 + 8 = 18$        $18 - 8 = 10$



$9 + 9 = 9 + 1 + 8 = 18$

19



$10 + 9 = 19$

$19 - 9 = 10$

20



$10 + 10 = 20$

$20 - 10 = 10$

$17 = 9 +$

$17 - 8 =$

$20 = 14 +$

$20 = 17 +$

$17 = 8 +$

$17 - 9 =$

$20 = 16 +$

$20 = 13 +$

$18 = 9 +$

$18 - 9 =$

$20 = 10 +$

$20 = 11 +$

$19 = 9 +$

$19 - 9 =$

$20 = 12 +$

$20 = 15 +$

$20 = 10 +$

$20 - 10 =$

$20 = 18 +$

$20 = 19 +$

Δεκαεφτά μήλα — δεκαοχτώ αχλάδια

δεκαεννιά ποτάμια — είκοσι κοράκια





1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20



1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20



20  
19  
18  
17  
16  
15  
14  
13  
12  
11  
10  
9  
8  
7  
6  
5  
4  
3  
2  
1  
0

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20



20  
19  
18  
17  
16  
15  
14  
13  
12  
11  
10  
9  
8  
7  
6  
5  
4  
3  
2  
1  
0



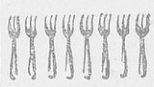
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11	12	13	14	15	16	17	18	19	20

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11	12	13	14	15	16	17	18	19	20



1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20



1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20







18=	7	12	10	3	18	16	14	1	5	19=	5
7=	13	9	17	18	6	2	11	15	10	4=	19
15=	5	10	18	12	4	9	13	17	11	6=	9
10=	8	15	9	7	13	11	16	14	20	12=	14
12=	16	7	18	6	20	5	19	17	9	15=	18
4=	19	8	20	16	9	14	5	13	12	17=	11
20=	12	11	3	9	17	20	8	16	14	15=	6
8=	16	8	9	17	11	14	13	20	19	12=	16
17=	9	12	6	5	18	4	7	8	3	20=	12
3=	11	20	12	16	7	18	9	19	5	4=	13



$$11+3-7=$$

$$9+3-6=$$

$$12+4-8=$$

$$14+6-10=$$

$$13+5-9=$$

$$8+3-2=$$

$$7+4-6=$$

$$7+6-4=$$

$$18-5-4=$$

$$20-7-6=$$

$$15-9-6=$$

$$16-7-5=$$

$$6+3+7=$$

$$5+9+6=$$

$$17-5-8=$$

$$19-3-7=$$

$$10+4-7=$$

$$20-3-9=$$

$$4+8-3=$$

$$5+9+6=$$

$$3+2+. = 11$$

$$3+. +9=12$$

$$.+4+. = 14$$

$$3+3+. = 15$$

$$.+8+5=16$$

$$5+. +6=19$$

$$6+3+. = 18$$

$$.+5+8=17$$

$$4+4+. = 15$$

$$6+. +2=13$$

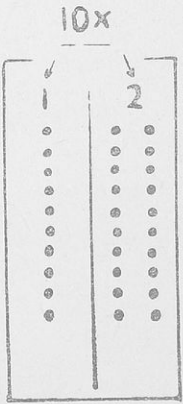
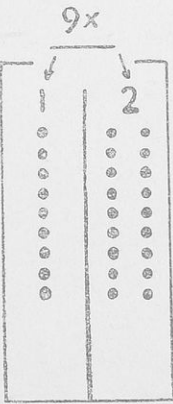
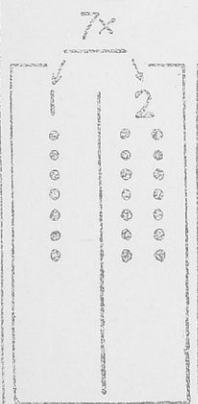
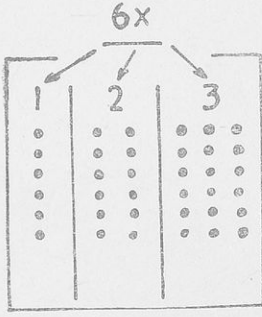
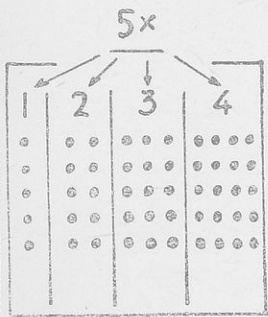
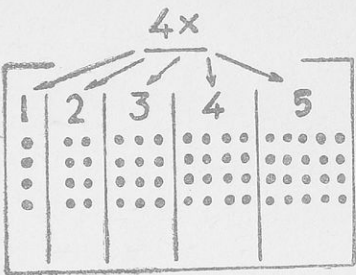
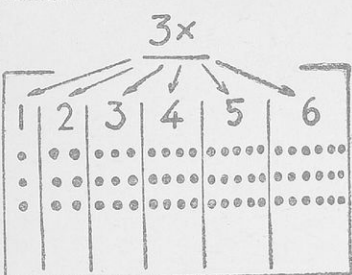
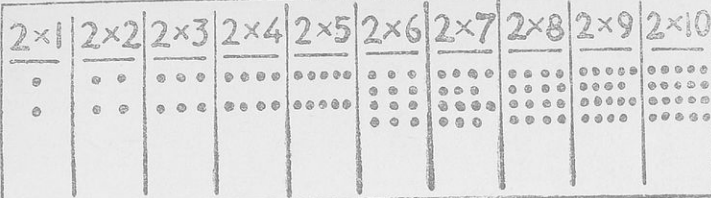


## Διάλεγε και λογάριάζε

Ψηφιοποιήθηκε από το Ινστιτούτο Εκπαιδευτικής Πολιτικής








**Οι άποριες του Τάκη**  
 Ψηφιοποιήθηκε από το Ινστιτούτο Εκπαιδευτικής Πολιτικής



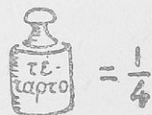
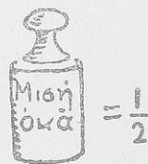
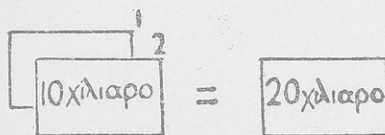
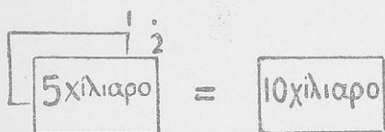
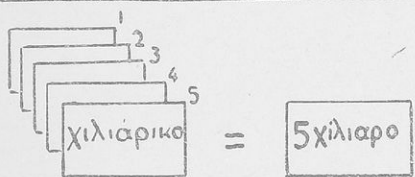
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:3					:4					
3	6	9	12	15	18	4	8	12	16	20
••	••••	••••••	••••••••	••••••••••	••••••••••	••••	••••••	••••••••	••••••••••	••••••••••••

:5					:6		
5	10	15	20		6	12	18
••••	••••••	••••••••	••••••••••	••••••	••••••••	••••••••••	

:7		:8		:9		:10	
7	14	8	16	9	18	10	20
•••••	••••••••	••••••	••••••••	••••••	••••••••	••••••••	••••••••••





**Τὰ παιδιά παίζουν μπακάλικο**  
 Ψηφιοποιήθηκε από το Ινστιτούτο Εκπαιδευτικής Πολιτικής





$3 \times 3 = 9$	$9 + 5 = 14$	$20 - 14 = 6$	$6 : 2 = 3$
$5 \times 1 = 5$			











