



# MONTESSORI explained simply!

Manual for the work  
with Montessori materials  
Mathematics

SUPPLEMENTARY  
SHEETS

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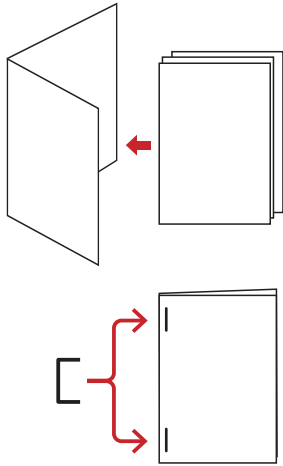
maths



# Content

Number decompositions 2-10 · booklet ➡ Page 12 .....	1
Supplement · cards ➡ Page 22 .....	7
All additions in number range 10 · cards ➡ Page 50 (see instructions) .....	8
All memory tasks in number range 10 · set sheet ➡ Page 50 (see instructions) .....	9
Rows of tasks for the striped board for addition · booklet · A ➡ Page 58 .....	10
Rows of tasks for the striped board for addition · booklet · B ➡ Page 58 .....	13
Number decompositions 11-18 · booklet ➡ Page 61 .....	16
All instances exceeding ten · cards ➡ Page 73 .....	22
All memory tasks in number range 10 · set sheet ➡ Page 73 .....	23
Times tables · booklet ➡ Page 82	
table for 2 .....	24
table for 3 .....	26
table for 4 .....	28
table for 5 .....	30
table for 6 .....	32
table for 7 .....	34
table for 8 .....	36
table for 9 .....	38
table for 10 .....	40
Times tables · cards ➡ Page 83	
table for 2 .....	42
table for 3 .....	43
table for 4 .....	44
table for 5 .....	45
table for 6 .....	46
table for 7 .....	47
table for 8 .....	48
table for 9 .....	49
table for 10 .....	50
Examination of multiplication result number · booklet ➡ Page 84 and/or 86 .....	51
The times tables · booklet ➡ Page 85 .....	54
Examine numbers for their divisibility · booklet ➡ Page 87 .....	60
In tables · booklet ➡ Page 88 .....	63
The 100 strip ➡ Page 90 .....	66
Book of thousand ➡ Page 101 .....	68
Place table ➡ Page 105 .....	71
Small calculation frame ➡ Page 107 .....	72
Large calculation frame ➡ Page 111 .....	73
Fractions · booklet ➡ Page 142-151 .....	74





# Number decompositions 2-10

Name:

---



---



---

10	
10	
9	
8	
7	
6	
5	

9	
9	
8	
7	
6	
5	



9	
0	
1	
2	
3	
4	

10	
0	
1	
2	
3	
4	
5	



Number decompositions 2-10 · booklet ➔ Page 12

7	
7	
6	
5	
4	

8	
8	
7	
6	
5	
4	

6	
6	
5	
4	
3	

5	
5	
4	
3	



8	
0	
1	
2	
3	
4	

7	
0	
1	
2	
3	

5	
0	
1	
2	

6	
0	
1	
2	
3	



Number decompositions 2-10 · booklet ➔ Page 12

4	
4	
3	
2	

3	
3	
2	

2	
2	
1	



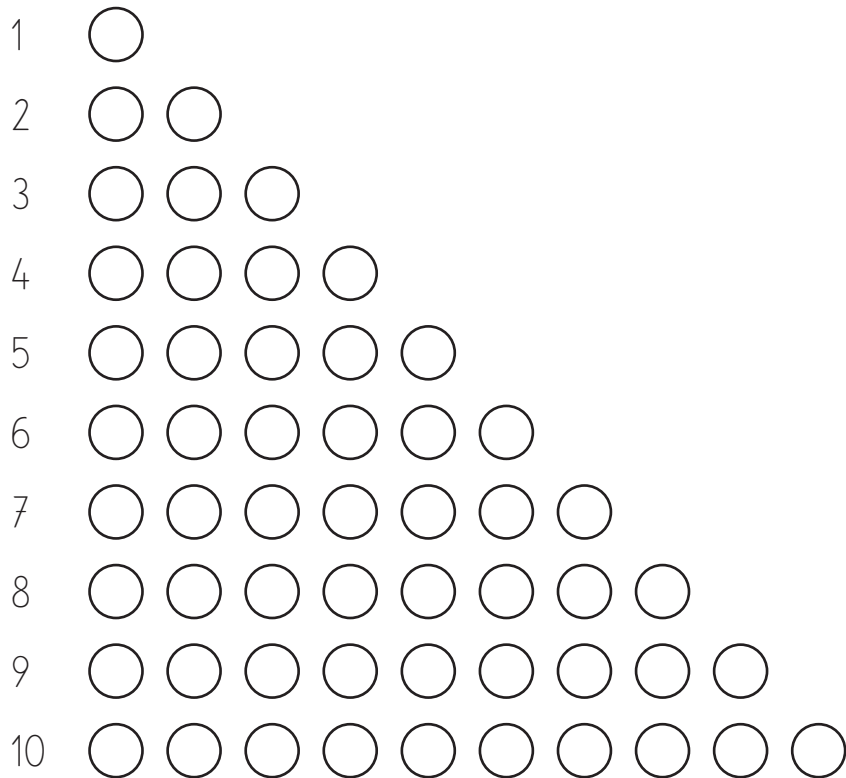
3	
0	
1	

4	
0	
1	
2	

2	
0	
1	



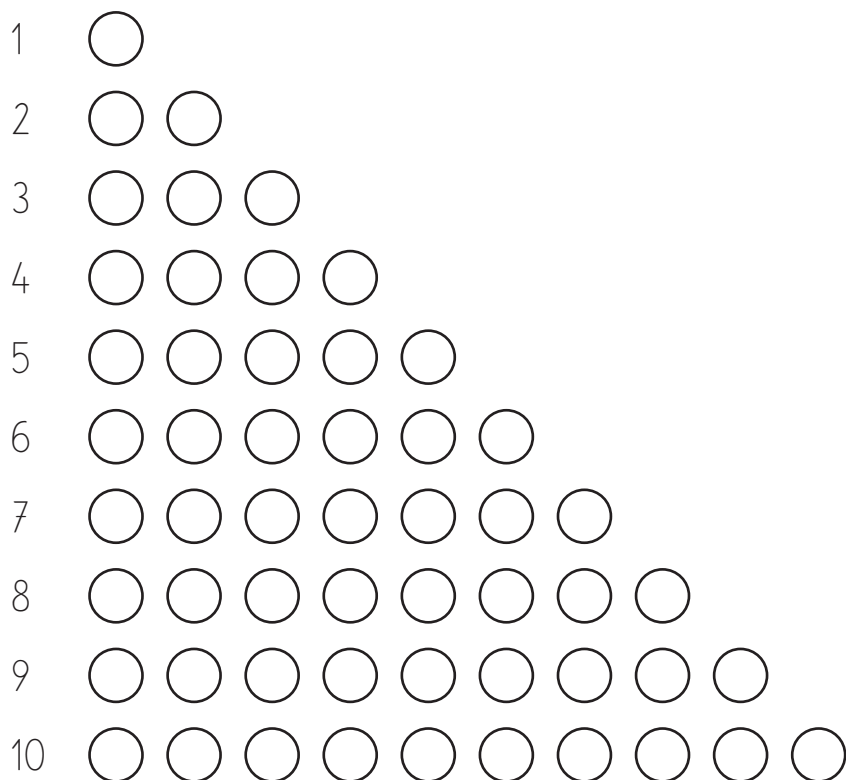
### The coloured bead staircase



Colour it  
correctly!



### The coloured bead staircase



Colour it  
correctly!





All additions in number range 10 / card ➡ Page 50 (see instructions)

$1 + 1 = \underline{\quad}$

$1 + 2 = \underline{\quad}$

$2 + 1 = \underline{\quad}$

$1 + 0 = \underline{\quad}$

$1 + 3 = \underline{\quad}$

$3 + 1 = \underline{\quad}$

$2 + 2 = \underline{\quad}$

$2 + 0 = \underline{\quad}$

$1 + 4 = \underline{\quad}$

$4 + 1 = \underline{\quad}$

$2 + 3 = \underline{\quad}$

$3 + 0 = \underline{\quad}$

$3 + 2 = \underline{\quad}$

$1 + 5 = \underline{\quad}$

$2 + 4 = \underline{\quad}$

$4 + 0 = \underline{\quad}$

$3 + 3 = \underline{\quad}$

$4 + 2 = \underline{\quad}$

$5 + 1 = \underline{\quad}$

$5 + 0 = \underline{\quad}$

$1 + 6 = \underline{\quad}$

$2 + 5 = \underline{\quad}$

$3 + 4 = \underline{\quad}$

$6 + 0 = \underline{\quad}$

$4 + 3 = \underline{\quad}$

$5 + 2 = \underline{\quad}$

$6 + 1 = \underline{\quad}$

$7 + 0 = \underline{\quad}$

$1 + 7 = \underline{\quad}$

$2 + 6 = \underline{\quad}$

$3 + 5 = \underline{\quad}$

$8 + 0 = \underline{\quad}$

$4 + 4 = \underline{\quad}$

$5 + 3 = \underline{\quad}$

$6 + 2 = \underline{\quad}$

$9 + 0 = \underline{\quad}$

$7 + 1 = \underline{\quad}$

$1 + 8 = \underline{\quad}$

$2 + 7 = \underline{\quad}$

$0 + 9 = \underline{\quad}$

$3 + 6 = \underline{\quad}$

$4 + 5 = \underline{\quad}$

$5 + 4 = \underline{\quad}$

$0 + 8 = \underline{\quad}$

$6 + 3 = \underline{\quad}$

$7 + 2 = \underline{\quad}$

$8 + 1 = \underline{\quad}$

$0 + 7 = \underline{\quad}$

$1 + 9 = \underline{\quad}$

$2 + 8 = \underline{\quad}$

$3 + 7 = \underline{\quad}$

$0 + 6 = \underline{\quad}$

$4 + 6 = \underline{\quad}$

$5 + 5 = \underline{\quad}$

$6 + 4 = \underline{\quad}$

$0 + 5 = \underline{\quad}$

$7 + 3 = \underline{\quad}$

$8 + 2 = \underline{\quad}$

$9 + 1 = \underline{\quad}$

$0 + 4 = \underline{\quad}$

$0 + 3 = \underline{\quad}$

$0 + 2 = \underline{\quad}$

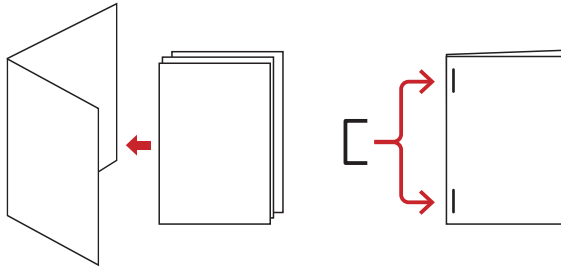
$0 + 1 = \underline{\quad}$



All memory tasks in number range 10 / set sheet ➡ Page 50 (see instructions)

[illegible]





## Striped board for addition / A

$$1 + 1 =$$

$$1 + 2 =$$

$$1 + 3 =$$

Name:

---



---



---

$$1 + 1 = \underline{\quad}$$

$$1 + 2 = \underline{\quad}$$

$$1 + 3 = \underline{\quad}$$

$$1 + 4 = \underline{\quad}$$

$$1 + 5 = \underline{\quad}$$

$$1 + 6 = \underline{\quad}$$

$$1 + 7 = \underline{\quad}$$

$$1 + 8 = \underline{\quad}$$

$$1 + 9 = \underline{\quad}$$

$$2 + 1 = \underline{\quad}$$

$$2 + 2 = \underline{\quad}$$

$$2 + 3 = \underline{\quad}$$

$$2 + 4 = \underline{\quad}$$

$$2 + 5 = \underline{\quad}$$

$$2 + 6 = \underline{\quad}$$

$$2 + 7 = \underline{\quad}$$

$$2 + 8 = \underline{\quad}$$

$$2 + 9 = \underline{\quad}$$



Rows of tasks for the striped board for addition · booklet · A ➡ Page 58

$3 + 1 = \underline{\quad}$

$3 + 2 = \underline{\quad}$

$3 + 3 = \underline{\quad}$

$3 + 4 = \underline{\quad}$

$3 + 5 = \underline{\quad}$

$3 + 6 = \underline{\quad}$

$3 + 7 = \underline{\quad}$

$3 + 8 = \underline{\quad}$

$3 + 9 = \underline{\quad}$

$4 + 1 = \underline{\quad}$

$4 + 2 = \underline{\quad}$

$4 + 3 = \underline{\quad}$

$4 + 4 = \underline{\quad}$

$4 + 5 = \underline{\quad}$

$4 + 6 = \underline{\quad}$

$4 + 7 = \underline{\quad}$

$4 + 8 = \underline{\quad}$

$4 + 9 = \underline{\quad}$

$5 + 1 = \underline{\quad}$

$5 + 2 = \underline{\quad}$

$5 + 3 = \underline{\quad}$

$5 + 4 = \underline{\quad}$

$5 + 5 = \underline{\quad}$

$5 + 6 = \underline{\quad}$

$5 + 7 = \underline{\quad}$

$5 + 8 = \underline{\quad}$

$5 + 9 = \underline{\quad}$

$6 + 1 = \underline{\quad}$

$6 + 2 = \underline{\quad}$

$6 + 3 = \underline{\quad}$

$6 + 4 = \underline{\quad}$

$6 + 5 = \underline{\quad}$

$6 + 6 = \underline{\quad}$

$6 + 7 = \underline{\quad}$

$6 + 8 = \underline{\quad}$

$6 + 9 = \underline{\quad}$



Rows of tasks for the striped board for addition · booklet · A ➡ Page 58

$$7 + 1 = \underline{\quad}$$

$$7 + 2 = \underline{\quad}$$

$$7 + 3 = \underline{\quad}$$

$$7 + 4 = \underline{\quad}$$

$$7 + 5 = \underline{\quad}$$

$$7 + 6 = \underline{\quad}$$

$$7 + 7 = \underline{\quad}$$

$$7 + 8 = \underline{\quad}$$

$$7 + 9 = \underline{\quad}$$

$$8 + 1 = \underline{\quad}$$

$$8 + 2 = \underline{\quad}$$

$$8 + 3 = \underline{\quad}$$

$$8 + 4 = \underline{\quad}$$

$$8 + 5 = \underline{\quad}$$

$$8 + 6 = \underline{\quad}$$

$$8 + 7 = \underline{\quad}$$

$$8 + 8 = \underline{\quad}$$

$$8 + 9 = \underline{\quad}$$

$$9 + 1 = \underline{\quad}$$

$$9 + 2 = \underline{\quad}$$

$$9 + 3 = \underline{\quad}$$

$$9 + 4 = \underline{\quad}$$

$$9 + 5 = \underline{\quad}$$

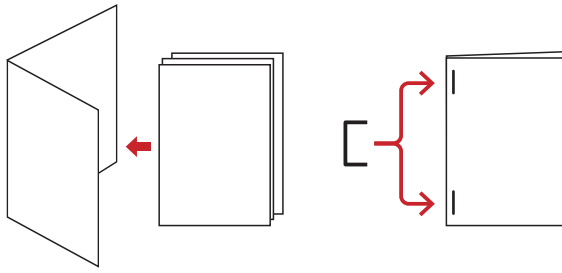
$$9 + 6 = \underline{\quad}$$

$$9 + 7 = \underline{\quad}$$

$$9 + 8 = \underline{\quad}$$

$$9 + 9 = \underline{\quad}$$





## Striped board for addition / B

$$1 + 1 =$$

$$2 + 1 =$$

$$3 + 1 =$$

Name:

---



---



---

$$1 + 1 = \underline{\quad}$$

$$2 + 1 = \underline{\quad}$$

$$3 + 1 = \underline{\quad}$$

$$4 + 1 = \underline{\quad}$$

$$5 + 1 = \underline{\quad}$$

$$6 + 1 = \underline{\quad}$$

$$7 + 1 = \underline{\quad}$$

$$8 + 1 = \underline{\quad}$$

$$9 + 1 = \underline{\quad}$$

$$1 + 2 = \underline{\quad}$$

$$2 + 2 = \underline{\quad}$$

$$3 + 2 = \underline{\quad}$$

$$4 + 2 = \underline{\quad}$$

$$5 + 2 = \underline{\quad}$$

$$6 + 2 = \underline{\quad}$$

$$7 + 2 = \underline{\quad}$$

$$8 + 2 = \underline{\quad}$$

$$9 + 2 = \underline{\quad}$$



Rows of tasks for the striped board for addition · booklet · B ➔ Page 58

$1 + 3 = \underline{\quad}$

$2 + 3 = \underline{\quad}$

$3 + 3 = \underline{\quad}$

$4 + 3 = \underline{\quad}$

$5 + 3 = \underline{\quad}$

$6 + 3 = \underline{\quad}$

$7 + 3 = \underline{\quad}$

$8 + 3 = \underline{\quad}$

$9 + 3 = \underline{\quad}$

$1 + 4 = \underline{\quad}$

$2 + 4 = \underline{\quad}$

$3 + 4 = \underline{\quad}$

$4 + 4 = \underline{\quad}$

$5 + 4 = \underline{\quad}$

$6 + 4 = \underline{\quad}$

$7 + 4 = \underline{\quad}$

$8 + 4 = \underline{\quad}$

$9 + 4 = \underline{\quad}$

$1 + 5 = \underline{\quad}$

$2 + 5 = \underline{\quad}$

$3 + 5 = \underline{\quad}$

$4 + 5 = \underline{\quad}$

$5 + 5 = \underline{\quad}$

$6 + 5 = \underline{\quad}$

$7 + 5 = \underline{\quad}$

$8 + 5 = \underline{\quad}$

$9 + 5 = \underline{\quad}$

$1 + 6 = \underline{\quad}$

$2 + 6 = \underline{\quad}$

$3 + 6 = \underline{\quad}$

$4 + 6 = \underline{\quad}$

$5 + 6 = \underline{\quad}$

$6 + 6 = \underline{\quad}$

$7 + 6 = \underline{\quad}$

$8 + 6 = \underline{\quad}$

$9 + 6 = \underline{\quad}$



Rows of tasks for the striped board for addition · booklet · B ➔ Page 58

$1 + 7 = \underline{\quad}$

$2 + 7 = \underline{\quad}$

$3 + 7 = \underline{\quad}$

$4 + 7 = \underline{\quad}$

$5 + 7 = \underline{\quad}$

$6 + 7 = \underline{\quad}$

$7 + 7 = \underline{\quad}$

$8 + 7 = \underline{\quad}$

$9 + 7 = \underline{\quad}$

$1 + 8 = \underline{\quad}$

$2 + 8 = \underline{\quad}$

$3 + 8 = \underline{\quad}$

$4 + 8 = \underline{\quad}$

$5 + 8 = \underline{\quad}$

$6 + 8 = \underline{\quad}$

$7 + 8 = \underline{\quad}$

$8 + 8 = \underline{\quad}$

$9 + 8 = \underline{\quad}$

$1 + 9 = \underline{\quad}$

$2 + 9 = \underline{\quad}$

$3 + 9 = \underline{\quad}$

$4 + 9 = \underline{\quad}$

$5 + 9 = \underline{\quad}$

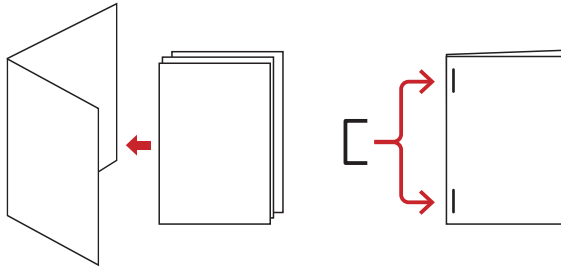
$6 + 9 = \underline{\quad}$

$7 + 9 = \underline{\quad}$

$8 + 9 = \underline{\quad}$

$9 + 9 = \underline{\quad}$





# Number decompositions 11-18

Name:

---



---



---

11	
10	
9	
8	
7	
6	

12	
10	
9	
8	
7	
6	



12	
2	
3	
4	
5	
6	

11	
1	
2	
3	
4	
5	



Number decompositions 11-18 · booklet ➔ Page 61

13	
10	
9	
8	
7	

14	
10	
9	
8	
7	

15	
10	
9	
8	

16	
10	
9	
8	



Number decompositions 11-18 · back page ➡ page 61

14	
4	
5	
6	
7	

13	
3	
4	
5	
6	

16	
6	
7	
8	

15	
5	
6	
7	



Number decompositions 11-18 · booklet ➔ Page 61

17	
10	
9	

18	
10	
9	



Number decompositions 11-18 · back page ➡ page 61

18	
8	
9	

17	
7	
8	



All instances exceeding ten · cards ➡ Page 73

$9 + 2$	$6 + 5$	$8 + 3$	$8 + 8$
$3 + 8$	$7 + 4$	$4 + 7$	$7 + 9$
$9 + 5$	$5 + 6$	$9 + 3$	$9 + 9$
$3 + 9$	$8 + 4$	$4 + 8$	$9 + 7$
$7 + 5$	$5 + 7$	$6 + 6$	$8 + 9$
$9 + 4$	$4 + 9$	$8 + 5$	$9 + 8$
$5 + 8$	$7 + 6$	$6 + 7$	
$2 + 9$	$5 + 9$	$8 + 6$	
$6 + 8$	$7 + 7$	$9 + 6$	
$6 + 9$	$8 + 7$	$7 + 8$	

Cut the cards out  
and arrange them in the fields  
on the next page.  
Search the pairs first.



1. Put the tasks in pairs on the table in this order: \_\_\_\_\_

2. Put the left half of each exchange task and the pairs into this field.

3. Then continue to sort into the three fields below. Finally, glue them in place.

- Which tasks are easy for you?
- Which ones are difficult for you?

Can you find other tasks that can help you with this?

- Find neighbour-tasks of the pairs.

For example,  
 $6 + 7$  is a neighbour task of  $6 + 6$ .

$9 + 2$

$2 + 9$

$$\infty + \omega$$

$$\omega + \infty$$

$7 + 4$

$4 + 7$

$$9 + 5$$

$$5 + 9$$

$$9 + 3$$

$$3 + 9$$

$$\begin{array}{r} 8 \\ + \\ 7 \\ \hline \end{array}$$

$$7 + 8$$

$$7 + 5$$

$4 + 9$

$$4 + 9$$

$$\infty + 57$$

$$9 + 5$$

•  
•  
•

•  
•  
•

•  
•  
•

•  
•  
•

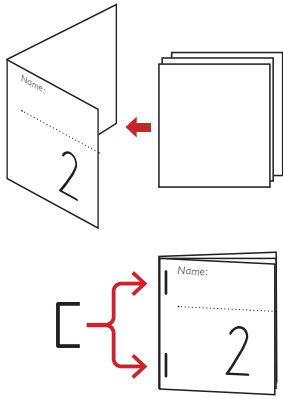
•  
•  
•

## Past the tens with filling

Past the tens  
with the power of 5



Times table · table for 2 · booklet ➔ Page 82



Name: \_\_\_\_\_

2

$1 \times 2$

$2 \times 2$

$3 \times 2$

$4 \times 2$

$5 \times 2$

$6 \times 2$

$7 \times 2$

$8 \times 2$

$9 \times 2$

$10 \times 2$



2

8

6

4

14

12

10

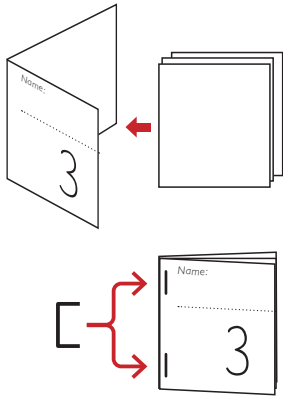
20

18

16



Times tables · table for 3 · booklet → Page 82



Name:

3

$1 \times 3$

$2 \times 3$

$3 \times 3$

$4 \times 3$

$5 \times 3$

$6 \times 3$

$7 \times 3$

$8 \times 3$

$9 \times 3$

$10 \times 3$



3

12

9

6

21

18

15

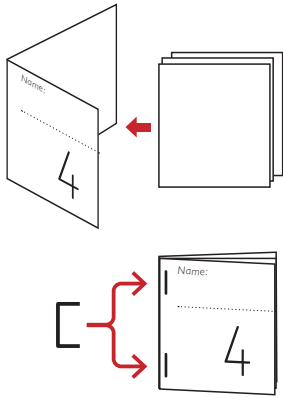
30

27

24



Times tables · table for 4 · booklet ➔ Page 82



Name: \_\_\_\_\_

4

$$1 \times 4$$

$$2 \times 4$$

$$3 \times 4$$

$$4 \times 4$$

$$5 \times 4$$

$$6 \times 4$$

$$7 \times 4$$

$$8 \times 4$$

$$9 \times 4$$

$$10 \times 4$$



4

16

12

8

28

24

20

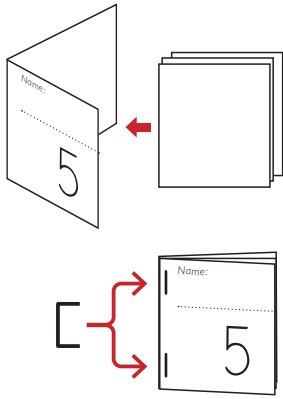
40

36

32



Times tables · table for 5 · booklet ➔ Page 82



Name: \_\_\_\_\_

5

$$1 \times 5$$

$$2 \times 5$$

$$3 \times 5$$

$$4 \times 5$$

$$5 \times 5$$

$$6 \times 5$$

$$7 \times 5$$

$$8 \times 5$$

$$9 \times 5$$

$$10 \times 5$$



5

20

15

10

35

30

25

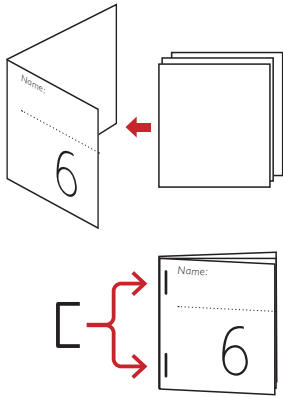
50

45

40



Times tables · table for 6 · booklet ➔ Page 82



Name: \_\_\_\_\_

6

$$1 \times 6$$

$$2 \times 6$$

$$3 \times 6$$

$$4 \times 6$$

$$5 \times 6$$

$$6 \times 6$$

$$7 \times 6$$

$$8 \times 6$$

$$9 \times 6$$

$$10 \times 6$$



6

24

18

12

42

36

30

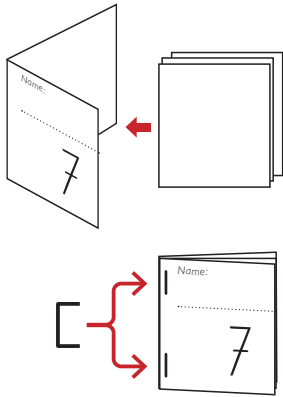
60

54

48



Times tables · table for 7 · booklet ➔ Page 82



Name: \_\_\_\_\_

7

$$1 \times 7$$

$$2 \times 7$$

$$3 \times 7$$

$$4 \times 7$$

$$5 \times 7$$

$$6 \times 7$$

$$7 \times 7$$

$$8 \times 7$$

$$9 \times 7$$

$$10 \times 7$$



7

28

21

14

49

42

35

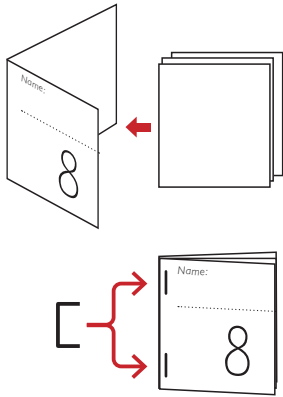
70

63

56



Times tables · table for 8 · booklet ➔ Page 82



Name: \_\_\_\_\_

8

$$1 \times 8$$

$$2 \times 8$$

$$3 \times 8$$

$$4 \times 8$$

$$5 \times 8$$

$$6 \times 8$$

$$7 \times 8$$

$$8 \times 8$$

$$9 \times 8$$

$$10 \times 8$$



8

32

24

16

56

48

40

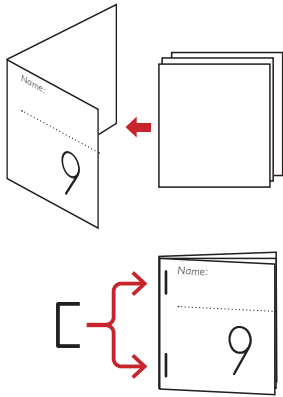
80

72

64



Times tables · table for 9 · booklet ➔ Page 82



Name:

9

$$1 \times 9$$

$$2 \times 9$$

$$3 \times 9$$

$$4 \times 9$$

$$5 \times 9$$

$$6 \times 9$$

$$7 \times 9$$

$$8 \times 9$$

$$9 \times 9$$

$$10 \times 9$$



9

36

27

18

63

54

45

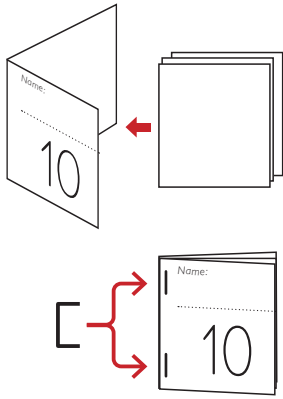
90

81

72



Times tables · table for 10 · booklet ➔ Page 82



Name: \_\_\_\_\_

10

$$1 \times 10$$

$$2 \times 10$$

$$3 \times 10$$

$$4 \times 10$$

$$5 \times 10$$

$$6 \times 10$$

$$7 \times 10$$

$$8 \times 10$$

$$9 \times 10$$

$$10 \times 10$$



10

40

30

20

70

60

50

100

90

80



Times tables · table for 2 · cards ➡ Page 83

$1 \times 2$

$2 \times 2$

$3 \times 2$

$4 \times 2$

$5 \times 2$

$6 \times 2$

$7 \times 2$

$8 \times 2$

$9 \times 2$

$10 \times 2$



Times tables · table for 3 · cards ➡ Page 83

$$1 \times 3$$

$$2 \times 3$$

$$3 \times 3$$

$$4 \times 3$$

$$5 \times 3$$

$$6 \times 3$$

$$7 \times 3$$

$$8 \times 3$$

$$9 \times 3$$

$$10 \times 3$$



Times tables · table for 4 · cards ➡ Page 83

$$1 \times 4$$

$$2 \times 4$$

$$3 \times 4$$

$$4 \times 4$$

$$5 \times 4$$

$$6 \times 4$$

$$7 \times 4$$

$$8 \times 4$$

$$9 \times 4$$

$$10 \times 4$$



Times tables · table for 5 · cards ➡ Page 83

$1 \times 5$

$2 \times 5$

$3 \times 5$

$4 \times 5$

$5 \times 5$

$6 \times 5$

$7 \times 5$

$8 \times 5$

$9 \times 5$

$10 \times 5$



Times tables · table for 6 · cards ➡ Page 83

$1 \times 6$

$2 \times 6$

$3 \times 6$

$4 \times 6$

$5 \times 6$

$6 \times 6$

$7 \times 6$

$8 \times 6$

$9 \times 6$

$10 \times 6$



Times tables · table for 7 · cards ➡ Page 83

$$1 \times 7$$

$$2 \times 7$$

$$3 \times 7$$

$$4 \times 7$$

$$5 \times 7$$

$$6 \times 7$$

$$7 \times 7$$

$$8 \times 7$$

$$9 \times 7$$

$$10 \times 7$$



Times tables · table for 8 · cards ➡ Page 83

$$1 \times 8$$

$$2 \times 8$$

$$3 \times 8$$

$$4 \times 8$$

$$5 \times 8$$

$$6 \times 8$$

$$7 \times 8$$

$$8 \times 8$$

$$9 \times 8$$

$$10 \times 8$$



Times tables · table for 9 · cards ➡ Page 83

$$1 \times 9$$

$$2 \times 9$$

$$3 \times 9$$

$$4 \times 9$$

$$5 \times 9$$

$$6 \times 9$$

$$7 \times 9$$

$$8 \times 9$$

$$9 \times 9$$

$$10 \times 9$$



Times tables · table for 10 · cards ➡ Page 83

$$1 \times 10$$

$$2 \times 10$$

$$3 \times 10$$

$$4 \times 10$$

$$5 \times 10$$

$$6 \times 10$$

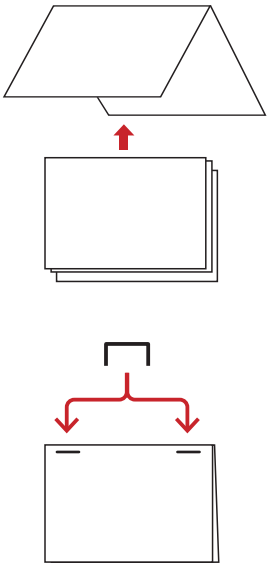
$$7 \times 10$$

$$8 \times 10$$

$$9 \times 10$$

$$10 \times 10$$





# Examination of multiplication result numbers

Name:

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*Times table for 2*  
Which multiplication tasks are in these numbers?

4	6	8	10	12	16

*Times table for 10*  
Which multiplication tasks are in these numbers?

10	20	30	40	50	60



Examination of multiplication result numbers · booklet · 2 ➡ Pages 84 and/or 86

Times table for 5

Which multiplication tasks are in these numbers?

5	20	25	30	40	45

Times table for 4

Which multiplication tasks are in these numbers?

8	12	16	24	32	36

Times table for 3

Which multiplication tasks are in these numbers?

9	15	18	21	24	27

Times table for 6

Which multiplication tasks are in these numbers?

18	24	36	42	48	54



Examination of multiplication result numbers · booklet · 3 ➡ Pages 84 and/or 86

Times table for 7

Which multiplication tasks are in these numbers?

21	28	35	42	49	56

Times table for 8

Which multiplication tasks are in these numbers?

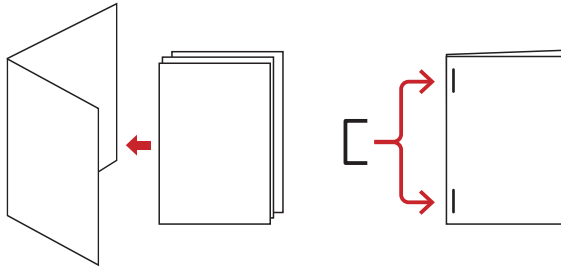
24	32	40	56	64	72

Times table for 9

Which multiplication tasks are in these numbers?

18	27	36	45	63	81





# The times tables

Name:

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## Times table for 2

$$\begin{array}{l} 1 \times 2 = \underline{\quad} \\ 2 \times 2 = \underline{\quad} \\ 3 \times 2 = \underline{\quad} \\ 4 \times 2 = \underline{\quad} \\ 5 \times 2 = \underline{\quad} \\ 6 \times 2 = \underline{\quad} \\ 7 \times 2 = \underline{\quad} \\ 8 \times 2 = \underline{\quad} \\ 9 \times 2 = \underline{\quad} \\ 10 \times 2 = \underline{\quad} \end{array}$$

## Times table for 3

$$\begin{array}{l} 1 \times 3 = \underline{\quad} \\ 2 \times 3 = \underline{\quad} \\ 3 \times 3 = \underline{\quad} \\ 4 \times 3 = \underline{\quad} \\ 5 \times 3 = \underline{\quad} \\ 6 \times 3 = \underline{\quad} \\ 7 \times 3 = \underline{\quad} \\ 8 \times 3 = \underline{\quad} \\ 9 \times 3 = \underline{\quad} \\ 10 \times 3 = \underline{\quad} \end{array}$$



### Times table for 4

$$\begin{array}{l} 1 \times 4 = \underline{\quad} \\ 2 \times 4 = \underline{\quad} \\ 3 \times 4 = \underline{\quad} \\ 4 \times 4 = \underline{\quad} \\ 5 \times 4 = \underline{\quad} \\ 6 \times 4 = \underline{\quad} \\ 7 \times 4 = \underline{\quad} \\ 8 \times 4 = \underline{\quad} \\ 9 \times 4 = \underline{\quad} \\ 10 \times 4 = \underline{\quad} \end{array}$$

### Times table for 5

$$\begin{array}{l} 1 \times 5 = \underline{\quad} \\ 2 \times 5 = \underline{\quad} \\ 3 \times 5 = \underline{\quad} \\ 4 \times 5 = \underline{\quad} \\ 5 \times 5 = \underline{\quad} \\ 6 \times 5 = \underline{\quad} \\ 7 \times 5 = \underline{\quad} \\ 8 \times 5 = \underline{\quad} \\ 9 \times 5 = \underline{\quad} \\ 10 \times 5 = \underline{\quad} \end{array}$$

### Times table for 6

$$\begin{array}{l} 1 \times 6 = \underline{\quad} \\ 2 \times 6 = \underline{\quad} \\ 3 \times 6 = \underline{\quad} \\ 4 \times 6 = \underline{\quad} \\ 5 \times 6 = \underline{\quad} \\ 6 \times 6 = \underline{\quad} \\ 7 \times 6 = \underline{\quad} \\ 8 \times 6 = \underline{\quad} \\ 9 \times 6 = \underline{\quad} \\ 10 \times 6 = \underline{\quad} \end{array}$$

### Times table for 7

$$\begin{array}{l} 1 \times 7 = \underline{\quad} \\ 2 \times 7 = \underline{\quad} \\ 3 \times 7 = \underline{\quad} \\ 4 \times 7 = \underline{\quad} \\ 5 \times 7 = \underline{\quad} \\ 6 \times 7 = \underline{\quad} \\ 7 \times 7 = \underline{\quad} \\ 8 \times 7 = \underline{\quad} \\ 9 \times 7 = \underline{\quad} \\ 10 \times 7 = \underline{\quad} \end{array}$$



### *Times table for 8*

$$\begin{array}{l} 1 \times 8 = \underline{\quad} \\ 2 \times 8 = \underline{\quad} \\ 3 \times 8 = \underline{\quad} \\ 4 \times 8 = \underline{\quad} \\ 5 \times 8 = \underline{\quad} \\ 6 \times 8 = \underline{\quad} \\ 7 \times 8 = \underline{\quad} \\ 8 \times 8 = \underline{\quad} \\ 9 \times 8 = \underline{\quad} \\ 10 \times 8 = \underline{\quad} \end{array}$$

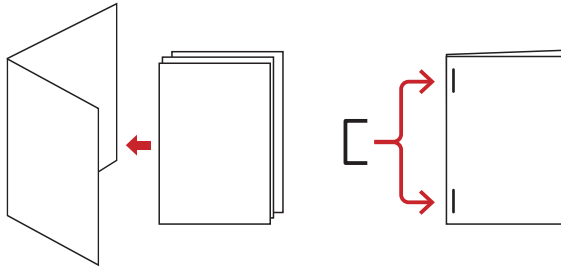
### *Times table for 9*

$$\begin{array}{l} 1 \times 9 = \underline{\quad} \\ 2 \times 9 = \underline{\quad} \\ 3 \times 9 = \underline{\quad} \\ 4 \times 9 = \underline{\quad} \\ 5 \times 9 = \underline{\quad} \\ 6 \times 9 = \underline{\quad} \\ 7 \times 9 = \underline{\quad} \\ 8 \times 9 = \underline{\quad} \\ 9 \times 9 = \underline{\quad} \\ 10 \times 9 = \underline{\quad} \end{array}$$

### *Times table for 10*

$$\begin{array}{l} 1 \times 10 = \underline{\quad} \\ 2 \times 10 = \underline{\quad} \\ 3 \times 10 = \underline{\quad} \\ 4 \times 10 = \underline{\quad} \\ 5 \times 10 = \underline{\quad} \\ 6 \times 10 = \underline{\quad} \\ 7 \times 10 = \underline{\quad} \\ 8 \times 10 = \underline{\quad} \\ 9 \times 10 = \underline{\quad} \\ 10 \times 10 = \underline{\quad} \end{array}$$





## Division series

Name:

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÷ 2

$$\begin{array}{rcl}
 6 \div 2 & = & \underline{\quad} \\
 12 \div 2 & = & \underline{\quad} \\
 18 \div 2 & = & \underline{\quad} \\
 4 \div 2 & = & \underline{\quad} \\
 8 \div 2 & = & \underline{\quad} \\
 14 \div 2 & = & \underline{\quad} \\
 16 \div 2 & = & \underline{\quad} \\
 10 \div 2 & = & \underline{\quad} \\
 2 \div 2 & = & \underline{\quad}
 \end{array}$$

÷ 3

$$\begin{array}{rcl}
 3 \div 3 & = & \underline{\quad} \\
 9 \div 3 & = & \underline{\quad} \\
 27 \div 3 & = & \underline{\quad} \\
 21 \div 3 & = & \underline{\quad} \\
 18 \div 3 & = & \underline{\quad} \\
 6 \div 3 & = & \underline{\quad} \\
 15 \div 3 & = & \underline{\quad} \\
 12 \div 3 & = & \underline{\quad} \\
 24 \div 3 & = & \underline{\quad}
 \end{array}$$



÷4

$12 \div 4 = \underline{\quad}$

$16 \div 4 = \underline{\quad}$

$20 \div 4 = \underline{\quad}$

$28 \div 4 = \underline{\quad}$

$8 \div 4 = \underline{\quad}$

$24 \div 4 = \underline{\quad}$

$36 \div 4 = \underline{\quad}$

$4 \div 4 = \underline{\quad}$

$32 \div 4 = \underline{\quad}$

÷5

$45 \div 5 = \underline{\quad}$

$30 \div 5 = \underline{\quad}$

$20 \div 5 = \underline{\quad}$

$10 \div 5 = \underline{\quad}$

$35 \div 5 = \underline{\quad}$

$25 \div 5 = \underline{\quad}$

$15 \div 5 = \underline{\quad}$

$5 \div 5 = \underline{\quad}$

$40 \div 5 = \underline{\quad}$

÷6

$18 \div 6 = \underline{\quad}$

$12 \div 6 = \underline{\quad}$

$24 \div 6 = \underline{\quad}$

$42 \div 6 = \underline{\quad}$

$48 \div 6 = \underline{\quad}$

$30 \div 6 = \underline{\quad}$

$54 \div 6 = \underline{\quad}$

$6 \div 6 = \underline{\quad}$

$36 \div 6 = \underline{\quad}$

÷7

$42 \div 7 = \underline{\quad}$

$56 \div 7 = \underline{\quad}$

$14 \div 7 = \underline{\quad}$

$28 \div 7 = \underline{\quad}$

$35 \div 7 = \underline{\quad}$

$49 \div 7 = \underline{\quad}$

$21 \div 7 = \underline{\quad}$

$63 \div 7 = \underline{\quad}$

$7 \div 7 = \underline{\quad}$



÷8

$$40 \div 8 = \underline{\hspace{2cm}}$$

$$56 \div 8 = \underline{\hspace{2cm}}$$

$$24 \div 8 = \underline{\hspace{2cm}}$$

$$48 \div 8 = \underline{\hspace{2cm}}$$

$$8 \div 8 = \underline{\hspace{2cm}}$$

$$64 \div 8 = \underline{\hspace{2cm}}$$

$$16 \div 8 = \underline{\hspace{2cm}}$$

$$72 \div 8 = \underline{\hspace{2cm}}$$

$$32 \div 8 = \underline{\hspace{2cm}}$$

÷9

$$9 \div 9 = \underline{\hspace{2cm}}$$

$$81 \div 9 = \underline{\hspace{2cm}}$$

$$45 \div 9 = \underline{\hspace{2cm}}$$

$$18 \div 9 = \underline{\hspace{2cm}}$$

$$36 \div 9 = \underline{\hspace{2cm}}$$

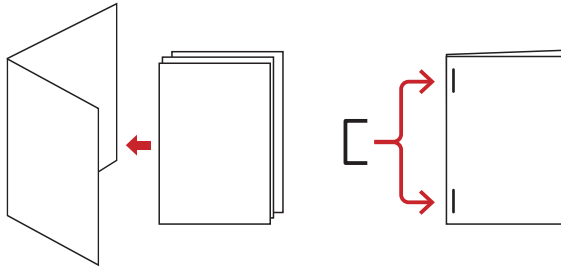
$$54 \div 9 = \underline{\hspace{2cm}}$$

$$63 \div 9 = \underline{\hspace{2cm}}$$

$$72 \div 9 = \underline{\hspace{2cm}}$$

$$27 \div 9 = \underline{\hspace{2cm}}$$





## Examine numbers for their divisibility

Name:

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Number:	Rem
<hr/> ÷ 9 =	<hr/>
<hr/> ÷ 8 =	<hr/>
<hr/> ÷ 7 =	<hr/>
<hr/> ÷ 6 =	<hr/>
<hr/> ÷ 5 =	<hr/>
<hr/> ÷ 4 =	<hr/>
<hr/> ÷ 3 =	<hr/>
<hr/> ÷ 2 =	<hr/>

Number:	Rem
<hr/> ÷ 9 =	<hr/>
<hr/> ÷ 8 =	<hr/>
<hr/> ÷ 7 =	<hr/>
<hr/> ÷ 6 =	<hr/>
<hr/> ÷ 5 =	<hr/>
<hr/> ÷ 4 =	<hr/>
<hr/> ÷ 3 =	<hr/>
<hr/> ÷ 2 =	<hr/>



Examine numbers for their divisibility · booklet · 2 ➡ Page 87

Number:	Rem
<div>_____</div> $\div 9 =$ <div>_____</div>	<div>_____</div>
<div>_____</div> $\div 8 =$ <div>_____</div>	<div>_____</div>
<div>_____</div> $\div 7 =$ <div>_____</div>	<div>_____</div>
<div>_____</div> $\div 6 =$ <div>_____</div>	<div>_____</div>
<div>_____</div> $\div 5 =$ <div>_____</div>	<div>_____</div>
<div>_____</div> $\div 4 =$ <div>_____</div>	<div>_____</div>
<div>_____</div> $\div 3 =$ <div>_____</div>	<div>_____</div>
<div>_____</div> $\div 2 =$ <div>_____</div>	<div>_____</div>

Number:	Rem
<div>_____</div> $\div 9 =$ <div>_____</div>	<div>_____</div>
<div>_____</div> $\div 8 =$ <div>_____</div>	<div>_____</div>
<div>_____</div> $\div 7 =$ <div>_____</div>	<div>_____</div>
<div>_____</div> $\div 6 =$ <div>_____</div>	<div>_____</div>
<div>_____</div> $\div 5 =$ <div>_____</div>	<div>_____</div>
<div>_____</div> $\div 4 =$ <div>_____</div>	<div>_____</div>
<div>_____</div> $\div 3 =$ <div>_____</div>	<div>_____</div>
<div>_____</div> $\div 2 =$ <div>_____</div>	<div>_____</div>

Number ÷	Rem
<div>_____</div> $\div 9 =$ <div>_____</div>	<div>_____</div>
<div>_____</div> $\div 8 =$ <div>_____</div>	<div>_____</div>
<div>_____</div> $\div 7 =$ <div>_____</div>	<div>_____</div>
<div>_____</div> $\div 6 =$ <div>_____</div>	<div>_____</div>
<div>_____</div> $\div 5 =$ <div>_____</div>	<div>_____</div>
<div>_____</div> $\div 4 =$ <div>_____</div>	<div>_____</div>
<div>_____</div> $\div 3 =$ <div>_____</div>	<div>_____</div>
<div>_____</div> $\div 2 =$ <div>_____</div>	<div>_____</div>

Number ÷	Rem
<div>_____</div> $\div 9 =$ <div>_____</div>	<div>_____</div>
<div>_____</div> $\div 8 =$ <div>_____</div>	<div>_____</div>
<div>_____</div> $\div 7 =$ <div>_____</div>	<div>_____</div>
<div>_____</div> $\div 6 =$ <div>_____</div>	<div>_____</div>
<div>_____</div> $\div 5 =$ <div>_____</div>	<div>_____</div>
<div>_____</div> $\div 4 =$ <div>_____</div>	<div>_____</div>
<div>_____</div> $\div 3 =$ <div>_____</div>	<div>_____</div>
<div>_____</div> $\div 2 =$ <div>_____</div>	<div>_____</div>



Examine numbers for their divisibility · booklet · 3 ➡ Page 87

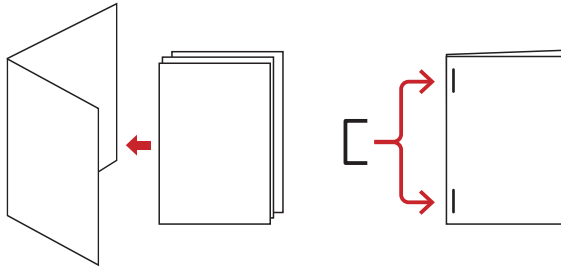
Number:	Rem
<div>_____</div> $\div 9 =$ <div>_____</div>	
<div>_____</div> $\div 8 =$ <div>_____</div>	
<div>_____</div> $\div 7 =$ <div>_____</div>	
<div>_____</div> $\div 6 =$ <div>_____</div>	
<div>_____</div> $\div 5 =$ <div>_____</div>	
<div>_____</div> $\div 4 =$ <div>_____</div>	
<div>_____</div> $\div 3 =$ <div>_____</div>	
<div>_____</div> $\div 2 =$ <div>_____</div>	

Number:	Rem
<div>_____</div> $\div 9 =$ <div>_____</div>	
<div>_____</div> $\div 8 =$ <div>_____</div>	
<div>_____</div> $\div 7 =$ <div>_____</div>	
<div>_____</div> $\div 6 =$ <div>_____</div>	
<div>_____</div> $\div 5 =$ <div>_____</div>	
<div>_____</div> $\div 4 =$ <div>_____</div>	
<div>_____</div> $\div 3 =$ <div>_____</div>	
<div>_____</div> $\div 2 =$ <div>_____</div>	

Number ÷	Rem
<div>_____</div> $\div 9 =$ <div>_____</div>	
<div>_____</div> $\div 8 =$ <div>_____</div>	
<div>_____</div> $\div 7 =$ <div>_____</div>	
<div>_____</div> $\div 6 =$ <div>_____</div>	
<div>_____</div> $\div 5 =$ <div>_____</div>	
<div>_____</div> $\div 4 =$ <div>_____</div>	
<div>_____</div> $\div 3 =$ <div>_____</div>	
<div>_____</div> $\div 2 =$ <div>_____</div>	

Number ÷	Rem
<div>_____</div> $\div 9 =$ <div>_____</div>	
<div>_____</div> $\div 8 =$ <div>_____</div>	
<div>_____</div> $\div 7 =$ <div>_____</div>	
<div>_____</div> $\div 6 =$ <div>_____</div>	
<div>_____</div> $\div 5 =$ <div>_____</div>	
<div>_____</div> $\div 4 =$ <div>_____</div>	
<div>_____</div> $\div 3 =$ <div>_____</div>	
<div>_____</div> $\div 2 =$ <div>_____</div>	





# In tables

Name:

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2 in

- 2 in 2 = \_\_\_\_ times
- 2 in 10 = \_\_\_\_ times
- 2 in 16 = \_\_\_\_ times
- 2 in 14 = \_\_\_\_ times
- 2 in 8 = \_\_\_\_ times
- 2 in 4 = \_\_\_\_ times
- 2 in 18 = \_\_\_\_ times
- 2 in 12 = \_\_\_\_ times
- 2 in 6 = \_\_\_\_ times
- 2 in 20 = \_\_\_\_ times

3 in

- 3 in 24 = \_\_\_\_ times
- 3 in 12 = \_\_\_\_ times
- 3 in 15 = \_\_\_\_ times
- 3 in 6 = \_\_\_\_ times
- 3 in 18 = \_\_\_\_ times
- 3 in 21 = \_\_\_\_ times
- 3 in 27 = \_\_\_\_ times
- 3 in 9 = \_\_\_\_ times
- 3 in 9 = \_\_\_\_ times
- 3 in 30 = \_\_\_\_ times



4 in

$$4 \text{ in } 32 = \underline{\quad} \text{ times}$$

$$4 \text{ in } 40 = \underline{\quad} \text{ times}$$

$$4 \text{ in } 36 = \underline{\quad} \text{ times}$$

$$4 \text{ in } 24 = \underline{\quad} \text{ times}$$

$$4 \text{ in } 8 = \underline{\quad} \text{ times}$$

$$4 \text{ in } 28 = \underline{\quad} \text{ times}$$

$$4 \text{ in } 20 = \underline{\quad} \text{ times}$$

$$4 \text{ in } 16 = \underline{\quad} \text{ times}$$

$$4 \text{ in } 4 = \underline{\quad} \text{ times}$$

$$4 \text{ in } 12 = \underline{\quad} \text{ times}$$

5 in

$$5 \text{ in } 40 = \underline{\quad} \text{ times}$$

$$5 \text{ in } 50 = \underline{\quad} \text{ times}$$

$$5 \text{ in } 15 = \underline{\quad} \text{ times}$$

$$5 \text{ in } 25 = \underline{\quad} \text{ times}$$

$$5 \text{ in } 35 = \underline{\quad} \text{ times}$$

$$5 \text{ in } 10 = \underline{\quad} \text{ times}$$

$$5 \text{ in } 20 = \underline{\quad} \text{ times}$$

$$5 \text{ in } 30 = \underline{\quad} \text{ times}$$

$$5 \text{ in } 45 = \underline{\quad} \text{ times}$$

$$5 \text{ in } 5 = \underline{\quad} \text{ times}$$

6 in

$$6 \text{ in } 36 = \underline{\quad} \text{ times}$$

$$6 \text{ in } 60 = \underline{\quad} \text{ times}$$

$$6 \text{ in } 54 = \underline{\quad} \text{ times}$$

$$6 \text{ in } 30 = \underline{\quad} \text{ times}$$

$$6 \text{ in } 48 = \underline{\quad} \text{ times}$$

$$6 \text{ in } 42 = \underline{\quad} \text{ times}$$

$$6 \text{ in } 24 = \underline{\quad} \text{ times}$$

$$6 \text{ in } 12 = \underline{\quad} \text{ times}$$

$$6 \text{ in } 6 = \underline{\quad} \text{ times}$$

$$6 \text{ in } 18 = \underline{\quad} \text{ times}$$

7 in

$$7 \text{ in } 7 = \underline{\quad} \text{ times}$$

$$7 \text{ in } 36 = \underline{\quad} \text{ times}$$

$$7 \text{ in } 70 = \underline{\quad} \text{ times}$$

$$7 \text{ in } 49 = \underline{\quad} \text{ times}$$

$$7 \text{ in } 35 = \underline{\quad} \text{ times}$$

$$7 \text{ in } 28 = \underline{\quad} \text{ times}$$

$$7 \text{ in } 14 = \underline{\quad} \text{ times}$$

$$7 \text{ in } 42 = \underline{\quad} \text{ times}$$

$$7 \text{ in } 56 = \underline{\quad} \text{ times}$$

$$7 \text{ in } 21 = \underline{\quad} \text{ times}$$



8 in

8 in \_\_\_\_\_ = \_\_\_\_\_ times

8 in \_\_\_\_\_ = \_\_\_\_\_ times

8 in \_\_\_\_\_ = \_\_\_\_\_ times

8 in \_\_\_\_\_ = \_\_\_\_\_ times

8 in \_\_\_\_\_ = \_\_\_\_\_ times

8 in \_\_\_\_\_ = \_\_\_\_\_ times

8 in \_\_\_\_\_ = \_\_\_\_\_ times

8 in \_\_\_\_\_ = \_\_\_\_\_ times

8 in \_\_\_\_\_ = \_\_\_\_\_ times

8 in \_\_\_\_\_ = \_\_\_\_\_ times

9 in

9 in \_\_\_\_\_ = \_\_\_\_\_ times

9 in \_\_\_\_\_ = \_\_\_\_\_ times

9 in \_\_\_\_\_ = \_\_\_\_\_ times

9 in \_\_\_\_\_ = \_\_\_\_\_ times

9 in \_\_\_\_\_ = \_\_\_\_\_ times

9 in \_\_\_\_\_ = \_\_\_\_\_ times

9 in \_\_\_\_\_ = \_\_\_\_\_ times

9 in \_\_\_\_\_ = \_\_\_\_\_ times

9 in \_\_\_\_\_ = \_\_\_\_\_ times

9 in \_\_\_\_\_ = \_\_\_\_\_ times



The 100 strip ➔ Page 90

### The multiplication numbers in the hundreds strip:

1. Cut the hundreds strip from the next page and glue it together properly.
2. There are empty boxes under the result numbers of the multiplication tables. Write to which multiplication tasks they belong.

You can practice your multiplication tables like this: Count to 100.

When you come to a multiplication number, say to which multiplication task it belongs.

Example:

- 19 - is not a multiplication number
- 20 - is a multiplication number.  
It belongs to the tasks:  $2 \times 10$ ,  $10 \times 2$ ,  $4 \times 5$  and  $5 \times 4$
- 21 - is a multiplication number. Tasks:  $7 \times 3$  and  $3 \times 7$
- 22 - is not a multiplication number.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	
1x1	1x2	1x3	1x4	1x5	1x6	1x7	1x8	1x9	1x10		x		x	
	2x1	3x1	4x1	x	x	x	x	x	x		x		x	
			2x2		x		x		x		x			
					x		x		x		x			



100 strips ➔ Page 90

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1x1	1x2	1x3	1x4	1x5	1x6	1x7	1x8	1x9	1x10		x		x	x	x		x		x	Glue it here!
	2x1	3x1	4x1		x	x	x	x	x		x		x	x	x		x		x	
			2x2		x		x		x		x						x			
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
x			x	x		x	x		x		x			x	x				x	Glue it here!
x			x			x	x		x		x			x	x					
			x																	
			x																	
41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61
	x			x			x	x	x				x		x				x	Glue it here!
	x			x			x		x				x		x				x	
61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
		x	x						x		x								x	Glue it here!
		x							x		x								x	
81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	
x									x										x	
									x											



# Book of thousand

Name: \_\_\_\_\_

									1
									10
100									

									2
									10
100									

									101
									110
200									

									3
									110
200									

									4
									210
300									

									201
									210
300									



									301
									310
400									



[illegible][illegible][illegible][illegible]



Book of thousand · 3 ➡ Page 101

9										10									
																			
800										900									
710										810									
801										901									
900										1000									
810										910									



[illegible][illegible]



Small calculation frame ➡ Page 107

[illegible][illegible]



Large calculation frame ➡ Page 111

[illegible][illegible]



# Fractions

Name:

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## Expand

$$\begin{array}{ccccccc}
 1 = \frac{\quad}{2} & 1 = \frac{\quad}{6} & \frac{1}{2} = \frac{\quad}{\quad} & \frac{1}{3} = \frac{\quad}{\quad} & \frac{1}{4} = \frac{\quad}{\quad} & \frac{1}{5} = \frac{\quad}{\quad} & \frac{2}{6} = \frac{\quad}{\quad} \\
 1 = \frac{\quad}{3} & 1 = \frac{\quad}{7} & \frac{1}{2} = \frac{\quad}{\quad} & \frac{1}{3} = \frac{\quad}{\quad} & \frac{2}{4} = \frac{\quad}{\quad} & \frac{2}{5} = \frac{\quad}{\quad} & \frac{4}{6} = \frac{\quad}{\quad} \\
 1 = \frac{\quad}{4} & 1 = \frac{\quad}{8} & \frac{1}{2} = \frac{\quad}{\quad} & \frac{2}{3} = \frac{\quad}{\quad} & \frac{2}{4} = \frac{\quad}{\quad} & \frac{1}{5} = \frac{\quad}{\quad} & \\
 1 = \frac{\quad}{5} & 1 = \frac{\quad}{9} & \frac{1}{2} = \frac{\quad}{\quad} & \frac{2}{3} = \frac{\quad}{\quad} & \frac{2}{4} = \frac{\quad}{\quad} & \frac{4}{5} = \frac{\quad}{\quad} & \\
 1 = \frac{\quad}{10} & & & & \frac{3}{4} = \frac{\quad}{\quad} & & 
 \end{array}$$

## Reduce

$$\begin{array}{ccccc}
 \frac{2}{10} = \frac{\quad}{\quad} & \frac{3}{9} = \frac{\quad}{\quad} & \frac{2}{8} = \frac{\quad}{\quad} & \frac{2}{6} = \frac{\quad}{\quad} & \frac{2}{4} = \frac{\quad}{\quad} \\
 \frac{4}{10} = \frac{\quad}{\quad} & \frac{3}{9} = \frac{\quad}{\quad} & & & \\
 \frac{5}{10} = \frac{\quad}{\quad} & & \frac{4}{8} = \frac{\quad}{\quad} & \frac{6}{6} = \frac{\quad}{\quad} & \\
 \frac{6}{10} = \frac{\quad}{\quad} & \frac{6}{9} = \frac{\quad}{\quad} & & & \\
 \frac{8}{10} = \frac{\quad}{\quad} & \frac{6}{9} = \frac{\quad}{\quad} & \frac{6}{8} = \frac{\quad}{\quad} & \frac{4}{6} = \frac{\quad}{\quad} & 
 \end{array}$$



### Exercise series for addition

$$\frac{3}{8} + \frac{4}{8} = \text{---}$$

$$\frac{2}{6} + \frac{1}{6} = \text{---}$$

$$\frac{4}{10} + \frac{2}{10} = \text{---}$$

$$\frac{3}{10} + \frac{5}{10} = \text{---}$$

$$\frac{3}{5} + \frac{1}{5} = \text{---}$$

$$\frac{3}{9} + \frac{2}{9} = \text{---}$$

$$\frac{2}{7} + \frac{4}{7} = \text{---}$$

$$\frac{1}{3} + \frac{1}{3} = \text{---}$$

$$\frac{3}{6} + \frac{3}{6} = \text{---}$$

$$\frac{5}{9} + \frac{2}{9} = \text{---}$$

$$\frac{3}{8} + \frac{1}{8} = \text{---}$$

$$\frac{5}{7} + \frac{1}{7} = \text{---}$$

### Exercise series for subtraction

$$\frac{2}{3} - \frac{1}{3} = \text{---}$$

$$\frac{5}{9} - \frac{2}{9} = \text{---}$$

$$\frac{7}{9} - \frac{1}{9} = \text{---}$$

$$\frac{6}{7} - \frac{2}{7} = \text{---}$$

$$\frac{8}{10} - \frac{4}{10} = \text{---}$$

$$\frac{6}{10} - \frac{2}{10} = \text{---}$$

$$\frac{3}{4} - \frac{1}{4} = \text{---}$$

$$\frac{2}{2} - \frac{1}{2} = \text{---}$$

$$\frac{5}{8} - \frac{4}{8} = \text{---}$$

$$\frac{6}{8} - \frac{5}{8} = \text{---}$$

$$\frac{4}{5} - \frac{3}{5} = \text{---}$$

$$\frac{4}{4} - \frac{2}{4} = \text{---}$$

### Exercise series for multiplication

$$2 \times \frac{3}{7} = \text{---}$$

$$4 \times \frac{2}{9} = \text{---}$$

$$5 \times \frac{1}{8} = \text{---}$$

$$2 \times \frac{4}{9} = \text{---}$$

$$6 \times \frac{1}{7} = \text{---}$$

$$2 \times \frac{2}{7} = \text{---}$$

$$5 \times \frac{2}{10} = \text{---}$$

$$1 \times \frac{5}{6} = \text{---}$$

$$4 \times \frac{2}{8} = \text{---}$$

$$3 \times \frac{1}{8} = \text{---}$$

$$3 \times \frac{2}{7} = \text{---}$$

$$2 \times \frac{3}{10} = \text{---}$$



### Exercise series for division

$$\frac{6}{8} \div 3 = \text{—}$$

$$\frac{8}{9} \div 2 = \text{—}$$

$$\frac{8}{10} \div 4 = \text{—}$$

$$\frac{9}{10} \div 3 = \text{—}$$

$$\frac{10}{10} \div 5 = \text{—}$$

$$\frac{6}{7} \div 3 = \text{—}$$

$$\frac{6}{9} \div 2 = \text{—}$$

$$\frac{9}{10} \div 3 = \text{—}$$

$$\frac{6}{9} \div 3 = \text{—}$$

$$\frac{4}{6} \div 4 = \text{—}$$

$$\frac{4}{5} \div 2 = \text{—}$$

$$\frac{8}{10} \div 2 = \text{—}$$

### Extend

$$\frac{1}{2} = \text{—}$$

$$\frac{2}{3} = \text{—}$$

$$\frac{3}{4} = \text{—}$$

$$\frac{4}{5} = \text{—}$$

$$\frac{1}{4} = \text{—}$$

$$\frac{2}{5} = \text{—}$$

$$\frac{3}{5} = \text{—}$$

$$\frac{4}{6} = \text{—}$$

$$\frac{1}{3} = \text{—}$$

$$\frac{2}{4} = \text{—}$$

$$\frac{4}{6} = \text{—}$$

$$\frac{4}{8} = \text{—}$$

### Reduce

$$\frac{2}{4} = \text{—}$$

$$\frac{3}{9} = \text{—}$$

$$\frac{4}{10} = \text{—}$$

$$\frac{6}{8} = \text{—}$$

$$\frac{2}{8} = \text{—}$$

$$\frac{3}{6} = \text{—}$$

$$\frac{4}{6} = \text{—}$$

$$\frac{8}{10} = \text{—}$$

$$\frac{2}{6} = \text{—}$$

$$\frac{4}{8} = \text{—}$$

$$\frac{5}{10} = \text{—}$$

$$\frac{6}{10} = \text{—}$$



### *Exercise series for addition with exchanging*

$$\frac{1}{2} + \frac{1}{10} = \text{---}$$

$$\frac{2}{4} + \frac{3}{8} = \text{---}$$

$$\frac{3}{4} + \frac{1}{8} = \text{---}$$

$$\frac{1}{3} + \frac{1}{6} = \text{---}$$

$$\frac{2}{3} + \frac{2}{9} = \text{---}$$

$$\frac{2}{2} + \frac{5}{10} = \text{---}$$

$$\frac{1}{3} + \frac{1}{9} = \text{---}$$

$$\frac{2}{3} + \frac{1}{6} = \text{---}$$

$$\frac{10}{2} + \frac{3}{10} = \text{---}$$

$$\frac{1}{4} + \frac{1}{8} = \text{---}$$

$$\frac{1}{5} + \frac{1}{10} = \text{---}$$

$$\frac{1}{2} + \frac{1}{3} = \text{---}$$

### *Exercise series for subtraction with exchanging*

$$\frac{1}{3} - \frac{1}{6} = \text{---}$$

$$\frac{1}{4} - \frac{1}{8} = \text{---}$$

$$\frac{1}{4} - \frac{1}{3} = \text{---}$$

$$\frac{1}{2} - \frac{1}{4} = \text{---}$$

$$\frac{1}{5} - \frac{1}{10} = \text{---}$$

$$\frac{1}{2} - \frac{1}{5} = \text{---}$$

$$\frac{1}{2} - \frac{2}{10} = \text{---}$$

$$\frac{2}{3} - \frac{2}{6} = \text{---}$$

$$\frac{5}{6} - \frac{1}{2} = \text{---}$$

$$\frac{1}{2} - \frac{1}{8} = \text{---}$$

$$\frac{2}{3} - \frac{1}{9} = \text{---}$$

$$\frac{4}{6} - \frac{1}{9} = \text{---}$$

### *Exercise series for division*

$$\frac{2}{5} \div 4 = \text{---}$$

$$\frac{1}{3} \div 3 = \text{---}$$

$$\frac{2}{3} \div 6 = \text{---}$$

$$\frac{1}{2} \div 5 = \text{---}$$

$$\frac{1}{4} \div 2 = \text{---}$$

$$\frac{2}{4} \div 4 = \text{---}$$

$$\frac{1}{2} \div 4 = \text{---}$$

$$\frac{1}{3} \div 2 = \text{---}$$

$$\frac{3}{5} \div 2 = \text{---}$$

$$\frac{1}{2} \div 3 = \text{---}$$

$$\frac{1}{5} \div 2 = \text{---}$$

$$\frac{3}{4} \div 2 = \text{---}$$



**Exercise series for multiplication: Fraction times fraction without exchanging**

$$\frac{1}{2} \times \frac{2}{5} = \text{---}$$

$$\frac{1}{3} \times \frac{3}{8} = \text{---}$$

$$\frac{2}{3} \times \frac{3}{4} = \text{---}$$

$$\frac{1}{2} \times \frac{4}{7} = \text{---}$$

$$\frac{1}{4} \times \frac{8}{9} = \text{---}$$

$$\frac{3}{4} \times \frac{8}{10} = \text{---}$$

**Exercise series for multiplication: Fraction times fraction with exchanging**

$$\frac{1}{2} \times \frac{1}{10} = \text{---}$$

$$\frac{1}{2} \times \frac{1}{3} = \text{---}$$

$$\frac{1}{2} \times \frac{1}{5} = \text{---}$$

$$\frac{1}{3} \times \frac{1}{2} = \text{---}$$

$$\frac{1}{3} \times \frac{1}{3} = \text{---}$$

$$\frac{2}{3} \times \frac{1}{2} = \text{---}$$

$$\frac{1}{4} \times \frac{1}{2} = \text{---}$$

$$\frac{2}{4} \times \frac{1}{2} = \text{---}$$

$$\frac{3}{4} \times \frac{1}{2} = \text{---}$$

$$\frac{1}{5} \times \frac{1}{2} = \text{---}$$

$$\frac{4}{5} \times \frac{1}{2} = \text{---}$$

**Exercise series for fraction divided by fraction**

$$\frac{2}{5} \div \frac{2}{3} = \text{---}$$

$$\frac{6}{10} \div \frac{2}{4} = \text{---}$$

$$\frac{3}{7} \div \frac{3}{4} = \text{---}$$

$$\frac{4}{9} \div \frac{2}{4} = \text{---}$$

$$\frac{2}{5} \div \frac{2}{3} = \text{---}$$

$$\frac{1}{2} \div \frac{1}{2} = \text{---}$$

$$\frac{6}{9} \div \frac{3}{4} = \text{---}$$

$$\frac{4}{7} \div \frac{2}{3} = \text{---}$$

$$\frac{4}{9} \div \frac{1}{2} = \text{---}$$

$$\frac{4}{10} \div \frac{2}{4} = \text{---}$$

$$\frac{6}{9} \div \frac{2}{3} = \text{---}$$

$$\frac{6}{10} \div \frac{3}{4} = \text{---}$$



### Convert: improper fractions into mixed fractions

$$\frac{3}{2} = \text{---}$$

$$\frac{5}{3} = \text{---}$$

$$\frac{7}{4} = \text{---}$$

$$\frac{6}{5} = \text{---}$$

$$\frac{9}{6} = \text{---}$$

$$\frac{5}{2} = \text{---}$$

$$\frac{14}{7} = \text{---}$$

### Convert: mixed fractions to improper fractions

$$1 \frac{1}{4} = \text{---}$$

$$2 \frac{2}{3} = \text{---}$$

$$1 \frac{1}{2} = \text{---}$$

$$2 \frac{3}{6} = \text{---}$$

$$2 \frac{1}{8} = \text{---}$$

$$3 \frac{1}{2} = \text{---}$$

$$4 \frac{2}{4} = \text{---}$$

### Exercise series

$$1 \frac{1}{2} + 2 \frac{1}{2} =$$

$$1 \frac{2}{8} - \frac{5}{8} =$$

$$\frac{2}{4} \times 1 \frac{1}{4} =$$

$$2 \div \frac{2}{3} =$$

$$2 \frac{3}{4} + 1 \frac{2}{4} =$$

$$3 \frac{3}{4} - 2 \frac{1}{4} =$$

$$\frac{1}{3} \times 3 \frac{6}{9} =$$

$$3 \frac{3}{9} \div \frac{4}{4} =$$

$$1 \frac{2}{4} + 2 \frac{3}{8} =$$

$$2 \frac{1}{4} - \frac{3}{8} =$$

$$\frac{2}{6} \times 2 \frac{2}{3} =$$

$$1 \frac{4}{6} \div \frac{2}{3} =$$

$$2 \frac{4}{6} + 1 \frac{1}{3} =$$

$$3 \frac{3}{4} - 2 \frac{7}{8} =$$

$$\frac{1}{2} \times 4 \frac{2}{8} =$$

$$2 \frac{1}{3} \div \frac{3}{4} =$$

$$3 \frac{8}{10} + 1 \frac{3}{5} =$$

$$2 \frac{1}{2} - 1 \frac{4}{6} =$$

$$\frac{4}{5} \times 1 \frac{1}{2} =$$

$$1 \frac{1}{2} \div \frac{1}{4} =$$