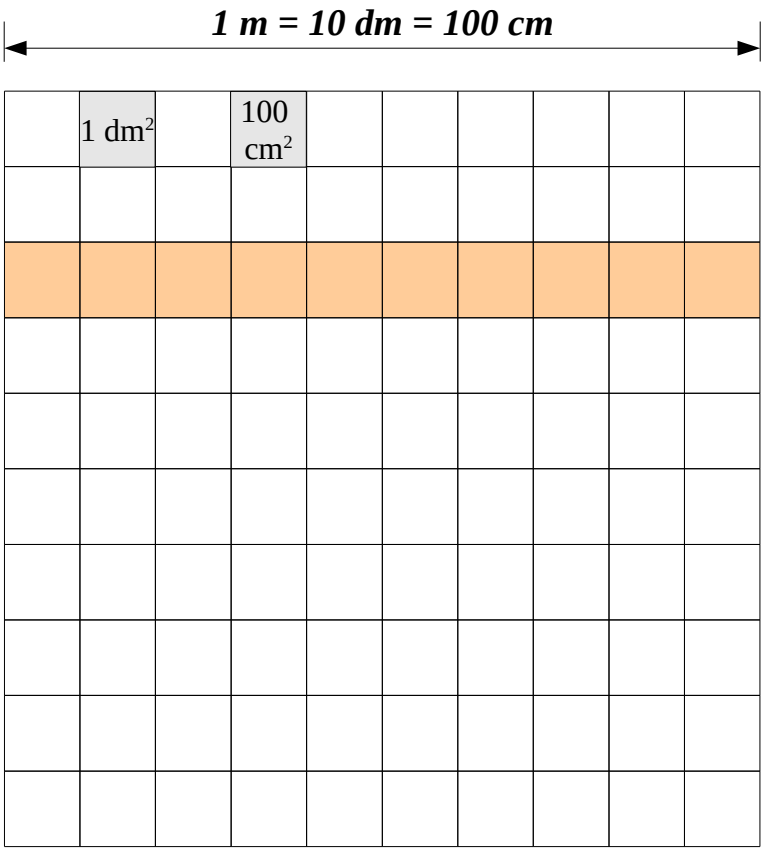
Homework for Lesson № 2

Square Decimeter and Square Meter

1 m = 10 dm = 100 cm

1 m^2 = 100 dm^2 = 10,000 cm^2



1 Square meter:

2 m^2 = ____ dm^2

300 dm^2 = ____ m^2

500 dm^2 = ____ m^2

7 m^2 = ____ cm^2

900 dm^2 = ____ m^2

2 Compare:

200 cm^2 3 dm^2

300 dm^2 300 m^2

7 m^2 700 dm^2

600 dm^2 8 m^2

500 dm^2 5 m^2

70 cm^2 7 dm^2

9 m^2 900 cm^2

6 dm^2 80 cm^2

30 dm^2 1 m^2

20 m^2 200 cm^2

9 dm^2 900 cm^2

4 m^2 400 cm^2

3 Convert:

400 cm = ____ dm

700 dm^2 = ____ m^2

2 dm^2 = ____ cm^2

400 cm^2 = ____dm^2

2 m = ____ cm = ___ dm

50 dm = ____ cm = ___ m

400 cm = ____ m

6 m^2 = ____ dm^2

800 dm^2 = ____ m^2

4 Mixed Word Problems

A basket contains 5 oranges. Another basket contains ***x*** oranges. How many oranges are in both baskets?

_____

Each box contains 12 pencils. How many pencils are in ***x*** such boxes?

_____

A can contains 5 cookies. Another can contains ***x*** more cookies than the first one. How many cookies are in both cans?

_____

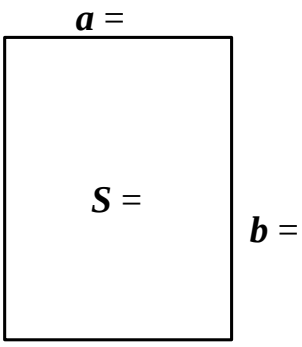
A bicycle moves 20 km each hour. How far will it move in ***q*** hours?

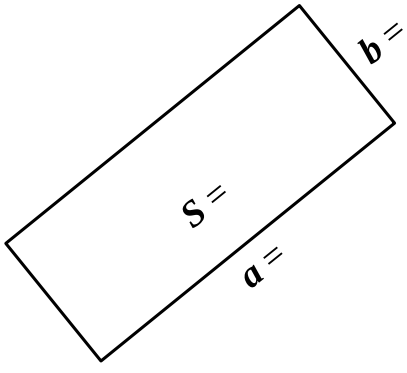
_____

Grandma puts jam into 4 liter bottles. How many bottles of jam did she fill if she ended up with ***y*** bottles?

_____

5 Measure the rectangles and find their areas:





Equations

6 **In your notebook** solve the equations below. Use diagrams to help you if you want.

$27 - x = 18$ $y + 300 = 800$ $z - 312 = 188$

7 **Expressions and Programs:**

- Determine the order of operations in the expressions below.
- **In your notebook** write programs to compute the values of these expressions.
- Show how each step transforms the original expression like in the provided sample.

a). $y \times 4 - 5$ ***b***). $z - x \div t + 1$ ***c***). $(z - x) \div t + 1$

	② ① ③
Sample:	$a + (15 - x) + 12$
1: $15 - x$	a + ① + 12
2: a + ①	② + 12
3: ② + 12	③

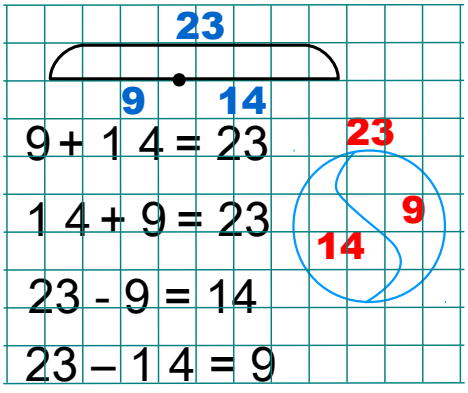
8 **Complete four equations using addition and subtraction.**

16 + 24 = 50 **27 + 5 =**

24 + = + =

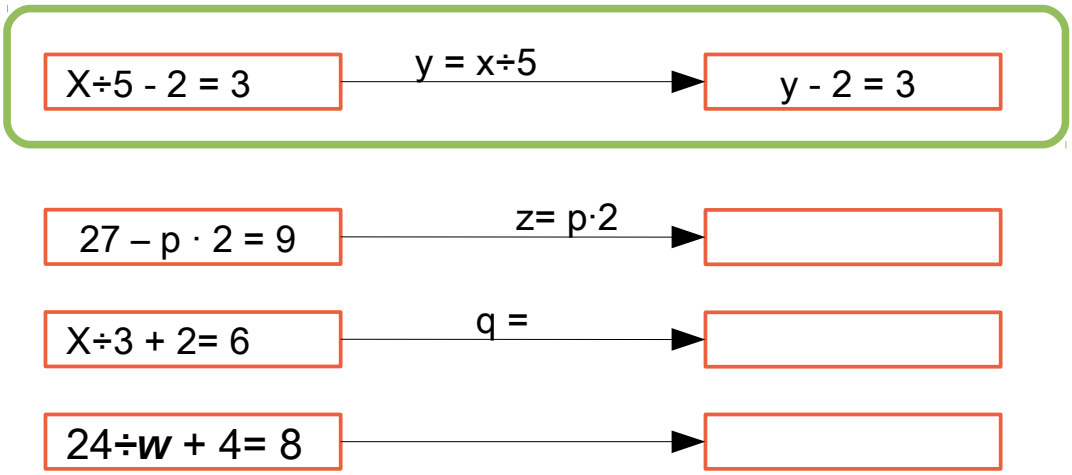
50 – 24 = – =

50 – = – =



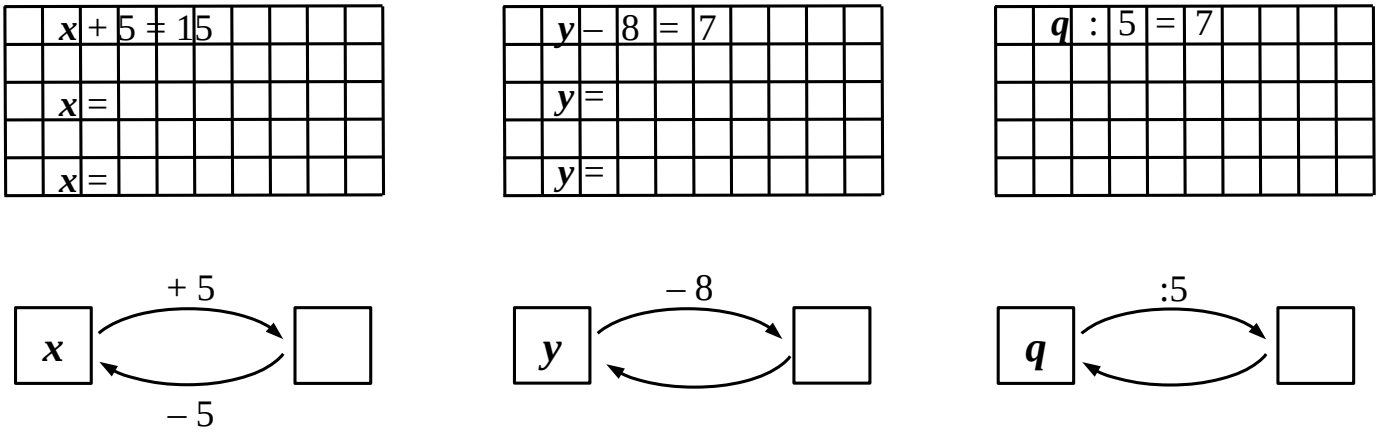
9 Replacements:

- Use replacement to simplify the following equations.
- Write the transformed equations according to the sample.



Equations and operations:

10 Use the diagrams below to solve the following equations:



11 Calculate:

$8 \times 7 \div 7 =$	$9 \times 7 \div 7 =$	$w \times 7 \div 7 =$
$25 \div 5 \times 5 =$	$35 \div 5 \times 5 =$	$x \div 5 \times 5 =$

12 Calculate: