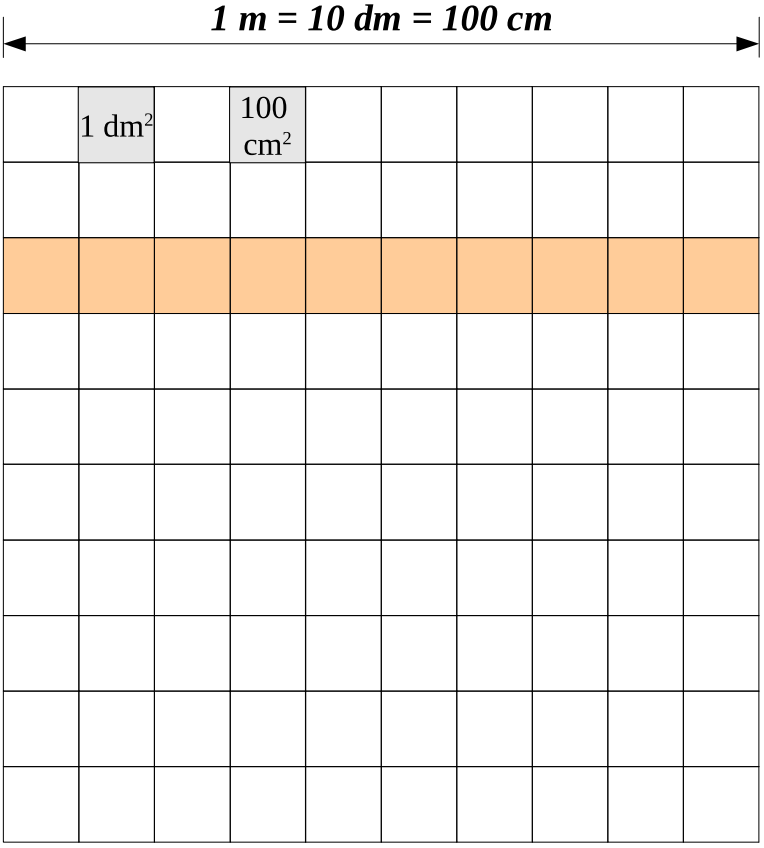
# Lesson 2 HW

**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?

_____

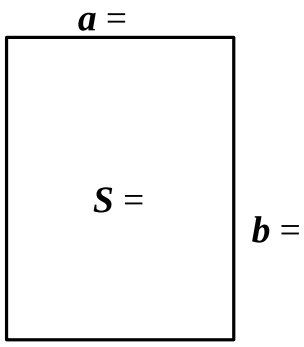
A bicycle moves 20 km each hour. How far will it move in ***q*** hours?

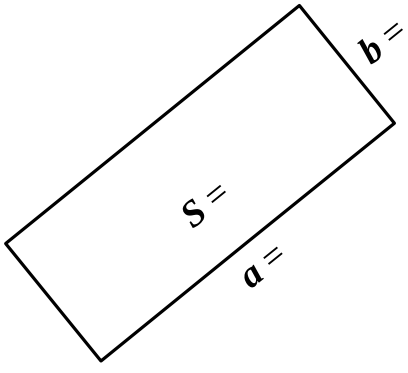
_____

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

_____

## 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.

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

**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***). $y \times 4 - 5$ $\quad$ ***b***). $z - x \div t + 1$ $\quad$ ***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 |

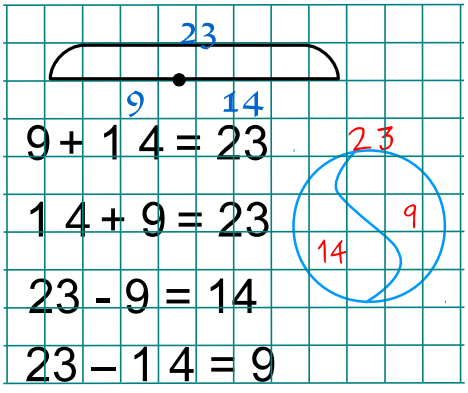
**8** **Complete four equations using addition and subtraction.**

**16 + 24 = 40** $\quad$ **27 + 5 =**

24 + = $\quad$ + =

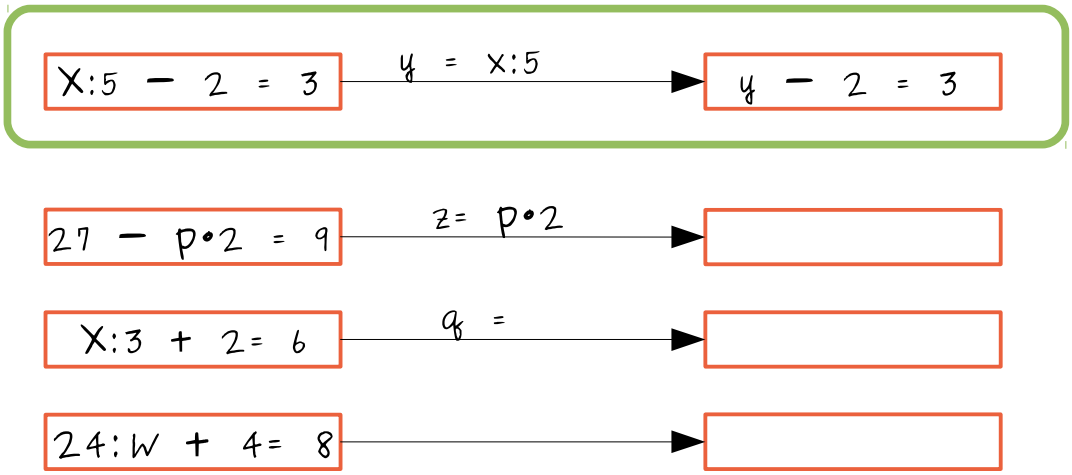
40 – 24 = $\quad$ – =

40 – = $\quad$ – =



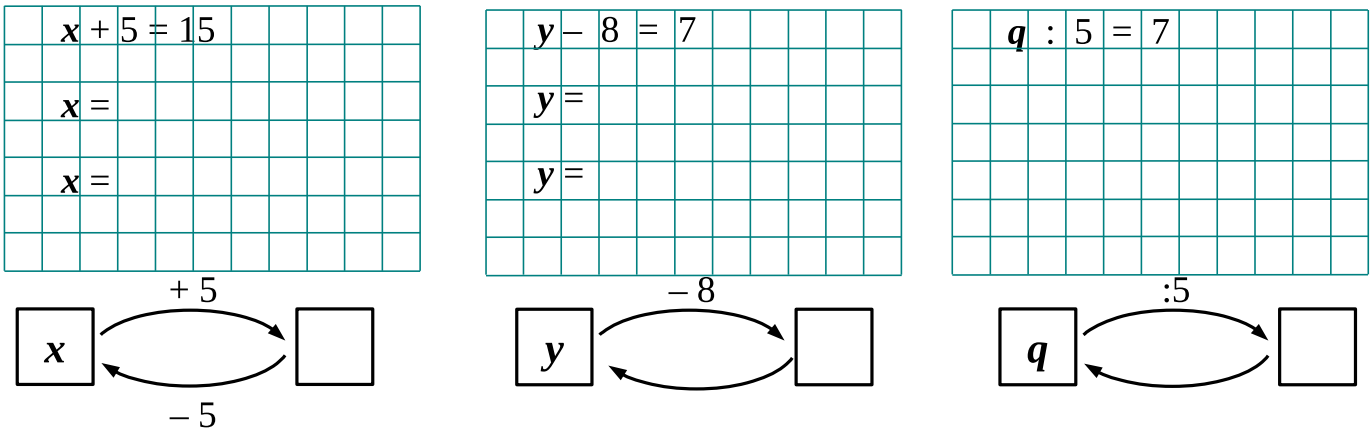
## 9 Replacements:

- 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: