Area.

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1 Solve the equations.

152 + **x** = 275   **y** - 518 = 33   **z** – 204 = 155
x =   y =   z =

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2 Open up the parentheses:

$s + (45 + a) =$ $f – (g + 64) =$

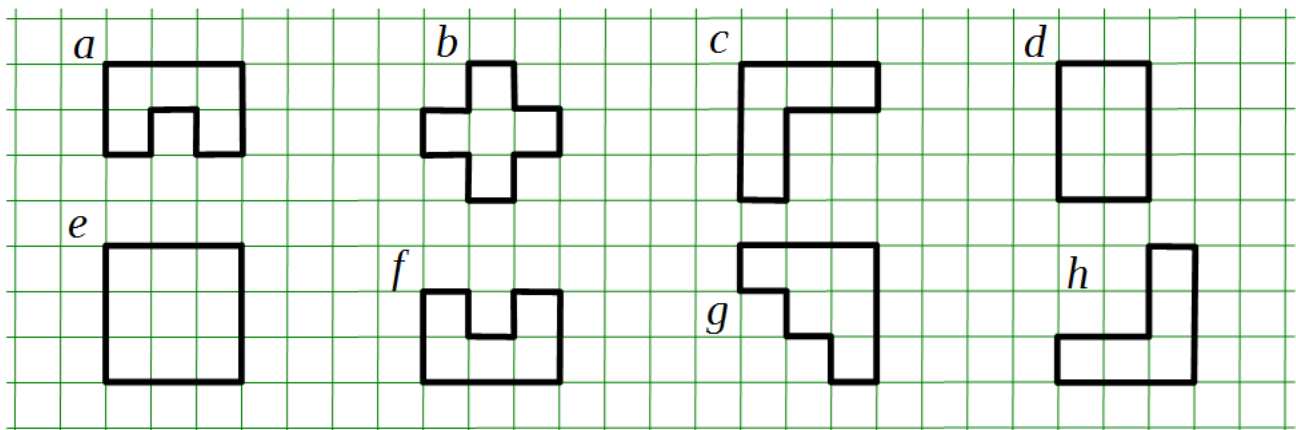$(a + b + d) + 6 =$ $20 – (w + v) =$

$8 + (78 - a) =$ $(33 – z) – (c – 6) =$

$(3 + d) + (b - 15) =$ $(d – 3) – (a + g) =$

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3 How many cells are in each shape on the drawing? Find the equal shapes. Find the shapes with equal numbers of cells.
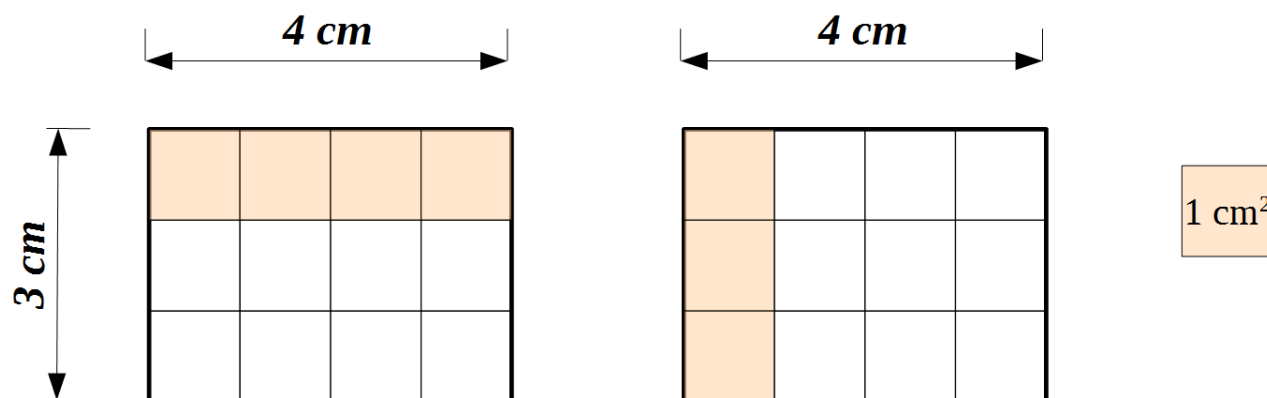

The equal shapes are _____

Area of rectangle.

Area is 2-dimensional: it has a length and a width. **Area** is measured in square units such as square inches, square feet or square meters.

A rectangle is 4 cm long and 3 cm wide. Find the area of the rectangle in square centimeters.
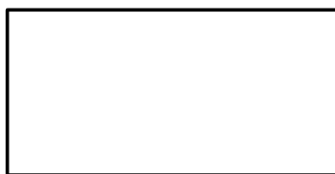
Look at the two ways to solve the problem

Method I: S = 4 cm² × 3 = _____ cm² **Method II**: S = 3 cm² × 4 = _____ cm²
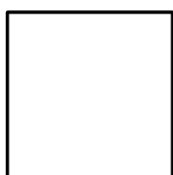
To find the **area** of a **rectangle**, multiply the length by the width.

$$S = a \times b = b \times a$$

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4   Measure the sides of the rectangles in centimeters and calculate their areas:

a = ____ cm   *b* = ____ cm

S = ____ cm²

a = ____ cm   *b* = ____ cm

S = ____ cm²

5   Draw the rectangle and solve the word problems:

A. Little Joe plotted a rectangle. One side of it was 2 cm, another was 4 cm. What was the area of the rectangle?
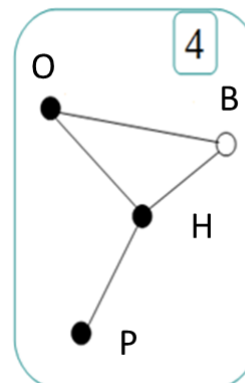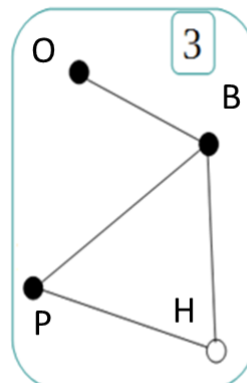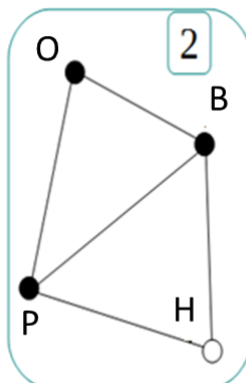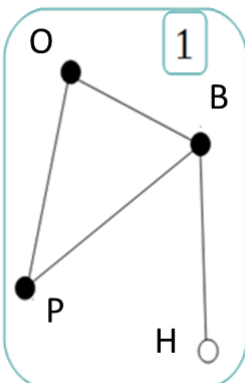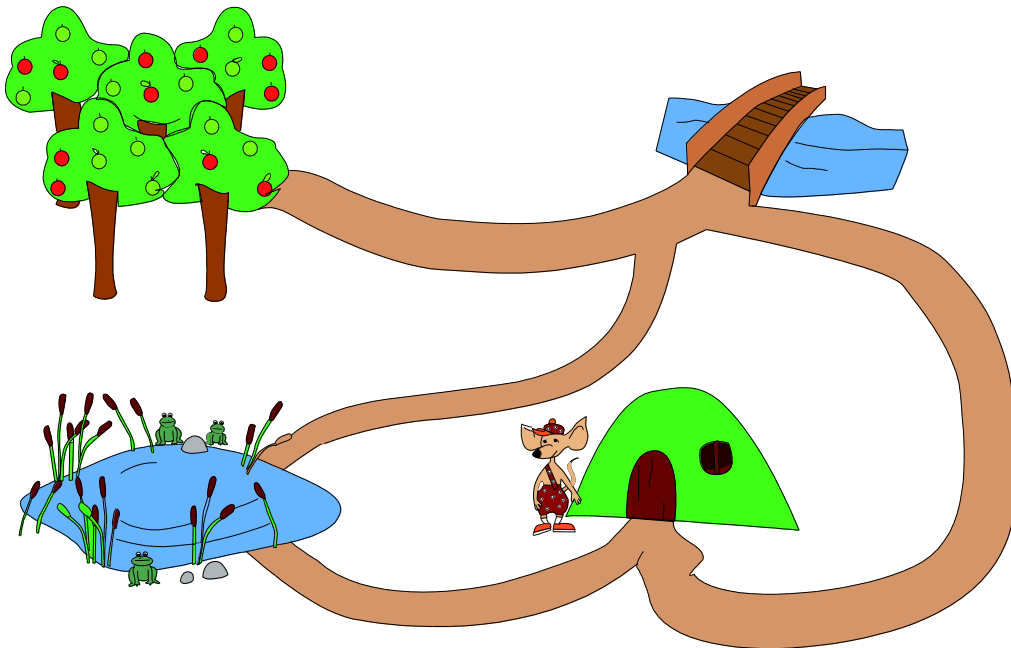
_____

B. Jake the mouse plotted a 4 cm by 7 cm rectangle. What was the area of the rectangle?

_____

C. Foxy Tail plotted a rectangle. One of its sides was 3 cm. The area of the rectangle was 6 cm². What was the other side of the rectangle?

_____

6   Which graph matches the map (O: an orchid, B: a bridge, P: a pond, H: a house)?
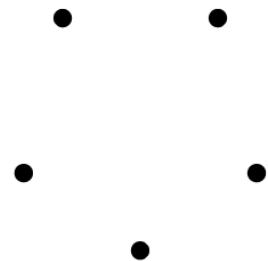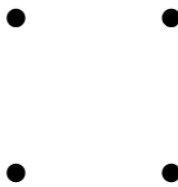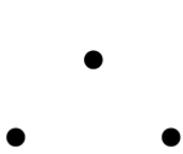
20

7   A group of people shook each other's' hands. How many handshakes were exchanged if the group had ...

A. ... three people   **B.** ... four people   **C.** ... five people

8   Find coordinates of points **A**, **B**, and **C**.

A

B

C

Plot points

D (3, 2)

E (11, 5)

F (4, 12)

G (7, 5)