

## Area.

1 **Check** the result of the equations that Foxy Tail solved.

$$52 + x = 275$$

$$x = 183$$

$$y - 618 = 144$$

$$y = 974$$

$$z - 200 = 576$$

$$z = 776$$

**Check:**

2 Open up the parentheses:

$$78 + (a + 11) =$$

$$82 - (5 + t) =$$

$$95 + (a + b + d) =$$

$$56 - (h + d) =$$

$$78 + (a - 71) =$$

$$71 - (c - 54) =$$

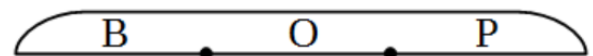
$$19 + (14 - b) =$$

$$d - (a - f + g) =$$

3 Solve the word problems:

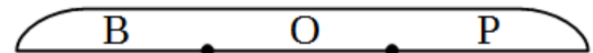
A. Little Joe and Foxy Tail bought 12 bananas, 17 oranges, and 26 plums. How many fruit did they buy in all?

\_\_\_\_\_



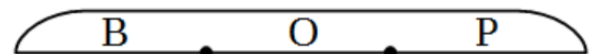
B. Little Joe and Foxy Tail bought 12 bananas, 17 oranges, and some plums. Altogether they bought 42 fruit. How many plums did they buy?

\_\_\_\_\_

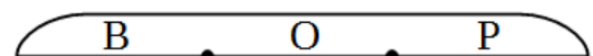


C. Little Joe and Foxy Tail bought 12 bananas, **m** oranges, and **k** plums. How many fruit did they buy in all?

\_\_\_\_\_



D. Little Joe and Foxy Tail bought **w** bananas, **x** oranges, and some plums. Altogether they bought **m** fruit. How many plums did they buy?



4

For each multiplication fact, write also a division fact. Think about the groups! Use a multiplication table if needed.

a.  $4 \times 2 = \underline{\quad}$

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

b.  $8 \times 4 = \underline{\quad}$

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

c.  $9 \times 6 = \underline{\quad}$

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

d.  $3 \times 8 = \underline{\quad}$

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

e.  $6 \times 4 = \underline{\quad}$

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

f.  $10 \times 7 = \underline{\quad}$

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

5

For each division, think of the corresponding multiplication and solve. Use a multiplication table if needed.

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

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

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

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

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

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

d.  $60 \div 6 = \underline{\quad}$

$\underline{\quad} \times \underline{\quad} = \underline{\quad}$

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

$\underline{\quad} \times \underline{\quad} = \underline{\quad}$

f.  $18 \div 3 = \underline{\quad}$

$\underline{\quad} \times \underline{\quad} = \underline{\quad}$

6

Compare one- digit and two-digit numbers using  $>$ ,  $<$ , or  $=$ . The letters (aka magical numbers) can be any digit between 1 and 9.

SP  $\square$  M

Q0  $\square$  Q1

KL  $\square$  LK

Solve the problems with one-digit and two-digit numbers:

$8C - 4C =$

$2B + 10 =$

$A + AA + AAA = 123$

7

Write only A's to balance each scale.

If  $\overline{\text{ABB} \quad \text{C}}$  &  $\overline{\text{B} \quad \text{AA}}$  then  $\overline{\text{C} \quad \quad}$

If  $\overline{\text{AAB} \quad \text{C}}$  &  $\overline{\text{BB} \quad \text{AA}}$  then  $\overline{\text{C} \quad \quad}$

If  $\overline{\text{AAB} \quad \text{C}}$  &  $\overline{\text{BB} \quad \text{A}}$  then  $\overline{\text{C} \quad \quad}$

If  $\overline{\text{BBB} \quad \text{CAA}}$  &  $\overline{\text{BB} \quad \text{AAA}}$  then  $\overline{\text{C} \quad \quad}$

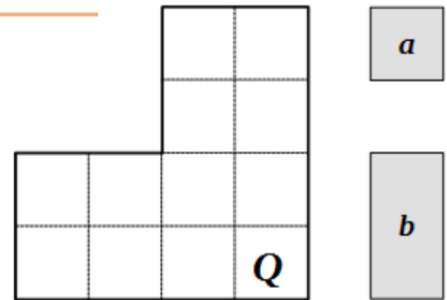
## Area

8 Look at measures **a** and **b** the shape **Q** and.

How many times does measure **a** fit in shape **Q**? \_\_\_\_

How many times does measure **b** fit in shape **Q**? \_\_\_\_

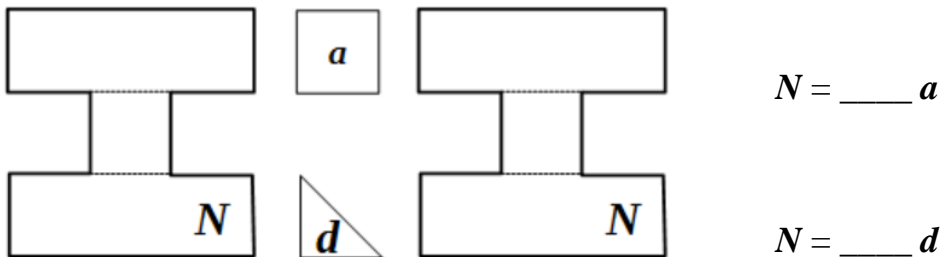
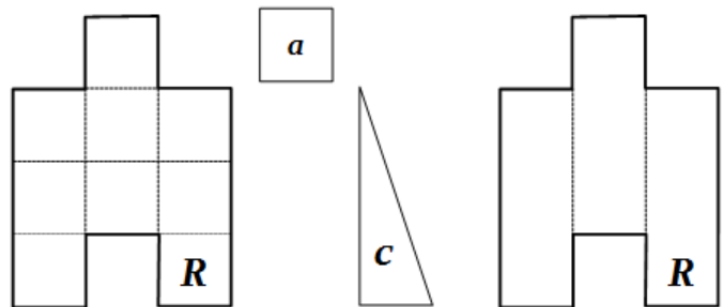
We write: **Q** = \_\_\_\_ **a** or **Q** = \_\_\_\_ **b**



9 Measure the shapes below with provided measures:

**R** = \_\_\_\_ **a**

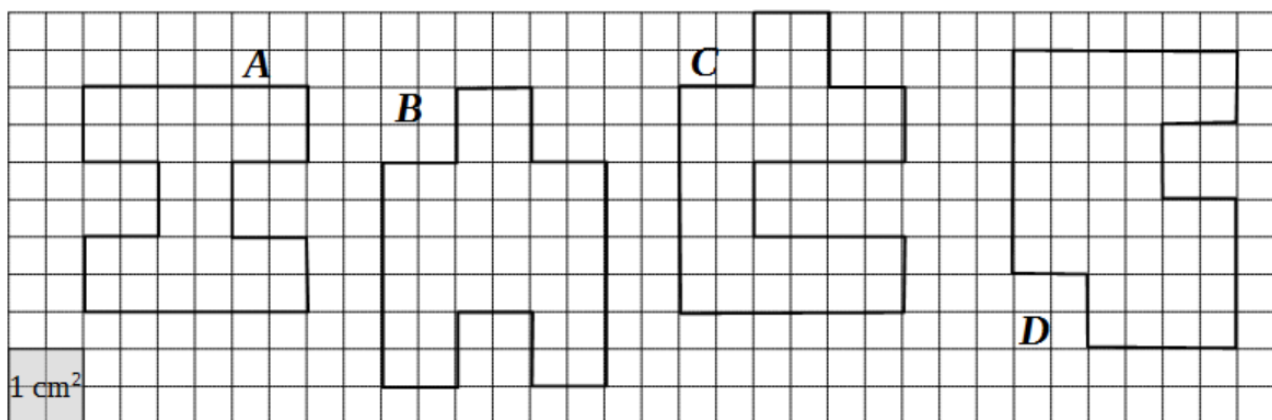
**R** = \_\_\_\_ **b**



**N** = \_\_\_\_ **a**

**N** = \_\_\_\_ **d**

10 Measure the areas of the shapes in square centimeters and in cells:



**A** = \_\_\_\_  $\text{cm}^2$  = \_\_\_\_ cells **B** = \_\_\_\_  $\text{cm}^2$  = \_\_\_\_ cells

**C** = \_\_\_\_  $\text{cm}^2$  = \_\_\_\_ cells **D** = \_\_\_\_  $\text{cm}^2$  = \_\_\_\_ cells

11

Find coordinates of the points C and D as well as the coordinates of the other objects.



( , )



( , )



( , )



( , )



( , )



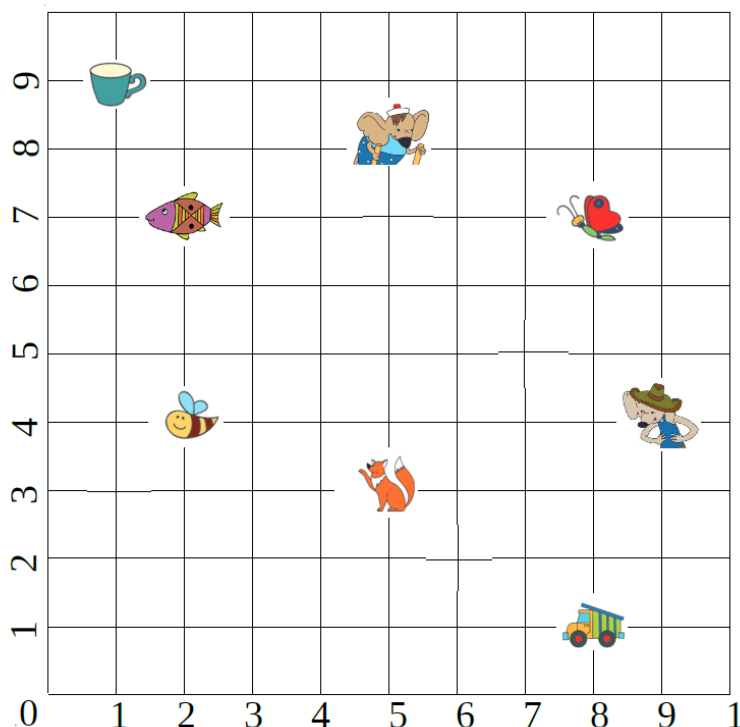
( , )



( , )

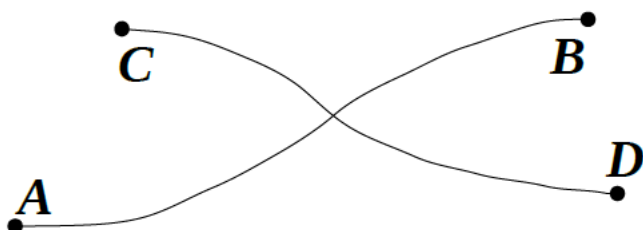


( , )



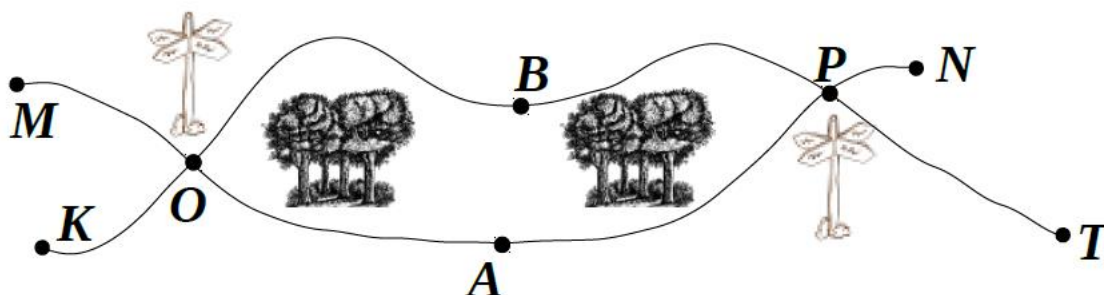
12

Find the point of intersection of the curves **AB** and **CD**. Mark the intersection with a point and name it **E**.



13

The paths **KBT** and **MAN** are laid through a forest. At what points do the paths intersect?



Through which point does the way from point **K** to point **M** pass?  
Which ways lead from point **O** to point **P**? Trace them with your pencil.  
What are the two best ways from point **K** to point **N**?