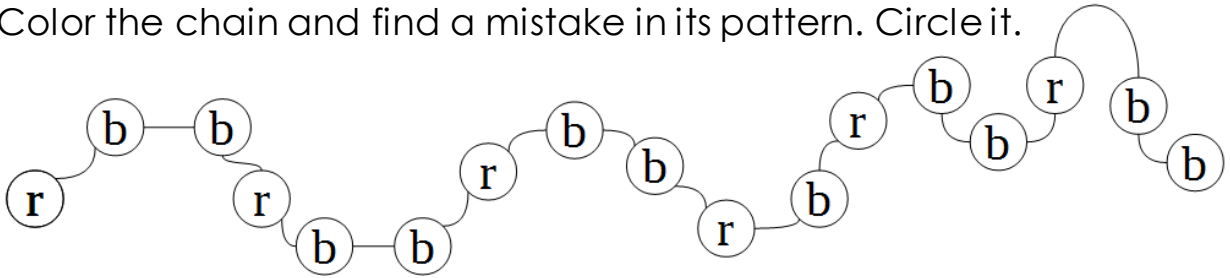**school nova**™

1 Write down the next two numbers in the series and read them:

a) 10, 30, 50, _____, _____   **b)** 9, 29, 49, _____, _____

c) 23, 34, 45, _____, _____   **d)** 18, 15, 12, _____, _____

2 Color the chain and find a mistake in its pattern. Circle it.

3 Make four possible equalities using each trio of numbers; arrange these numbers appropriately on the matching drawings.
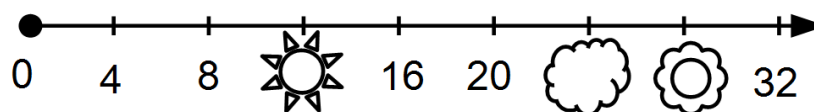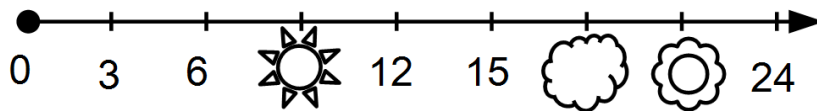
8, 9, 17   4, 11, 15   6, 17, 23
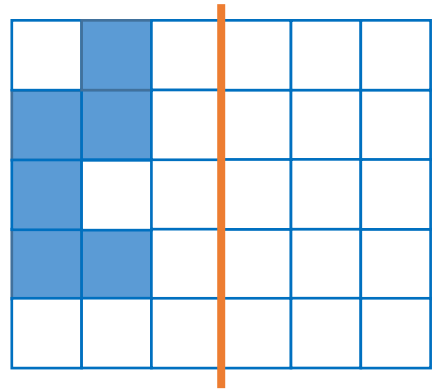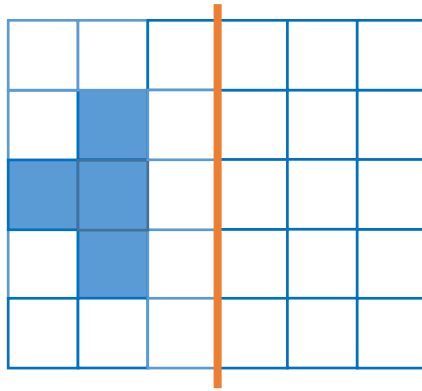
8 + 9 = 17

15 - 4 = 11

4 Which numbers on the number lines are covered?

0   3   6   ☀   12   15   ☁   ⬡   24

0   4   8   ☀   16   20   ☁   ⬡   32

5 Solve the word problem.

An ornament has 12 circles, 6 squares and 9 rectangles which are not squares. 24 out of these shapes are large, while others are small. How many small shapes are in the ornament?

$12 + 6 + =$

L $\cdot$ S

? =

_____

6 Circle the cup that is different from the rest.

What makes it different?

_____

7 Complete the equalities as needed:

$\triangle \; \therefore = 16$

$\triangle \; \triangle = \_\_\_$

$_____ = 30$

$_____ = 23$

$_____ = 3$

$\triangle \triangle \triangle = \_\_\_$

8 Fill in the tables:

a	0	6	9	12	30	41	53	74	85
a + 4			13						

c	12	27	36	49	54	68	75	82	93
c − 12							63		

9 Add the mirror image of each figure.
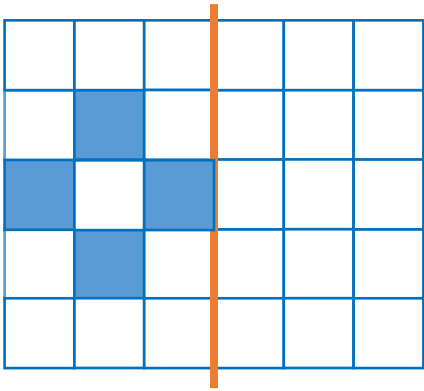
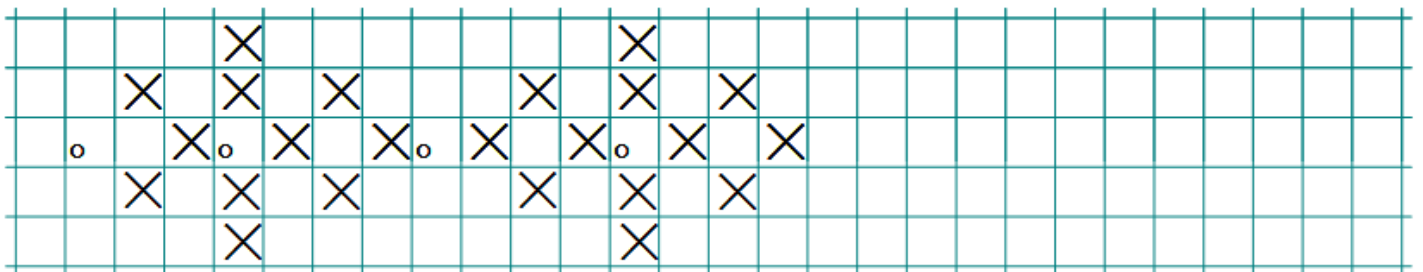**10** Solve the equations below and check your answers.
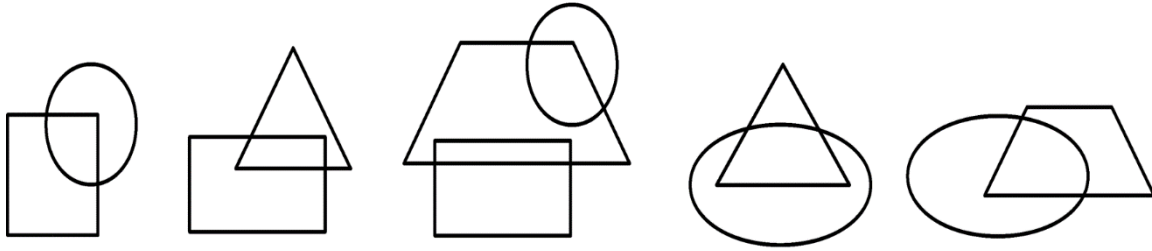
X + 3 = 12

X - 5 = 8

13 - X = 2

11 Continue the ornament:

12 Circle the drawing that does not belong here:

13 Color the shapes properly:

14 Replace the shapes from the table above according to the rule below and fill in the table