Homework

1 Use rectangles to solve the equations:

Y x 4 = 28	36 : X = 9	W x 5 = 45

$$\boxed{28}\ 4$$
Y

$$Y = 28 : 4$$
$$Y = 7$$

$$7 \times 4 = 28$$
$$28 = 28$$

$$\boxed{36}\ X$$
9

$$X = 36 : 9$$
$$X = 4$$

$$36 : 4 = 9$$
$$9 = 9$$

$$\boxed{45}\ 5$$
W

$$W = 45 : 5$$
$$W = 9$$

$$9 \times 5 = 45$$
$$45 = 45$$

2 Solve the problems.

A. There are 217 oak trees, 326 pine trees, and 78 maple trees in a park. What is the total number of these three types of trees growing in the park?   **621 trees**

$$\begin{array}{r} 1\ 2 \\ 2\ 1\ 7 \\ +\ 3\ 2\ 6 \\ 7\ 8 \\ \hline 6\ 2\ 1 \end{array}$$

B. To build a house Bear bought 524 white bricks and 316 red bricks. How many bricks did he buy? How many more white bricks than red bricks did he buy?

840 bricks ; 268 more white bricks than red ones.

$$\begin{array}{r} 1 \\ 5\ 2\ 4 \\ +\ 3\ 1\ 6 \\ \hline 8\ 4\ 0 \end{array} \qquad \begin{array}{r} 1\ 14 \\ 5\ \cancel{2}\ 4 \\ -\ 3\ 1\ 6 \\ \hline 2\ 0\ 8 \end{array}$$

C. Fox has brought to the construction project 275 liters of paint. There were 96 L of yellow paint and 38 L less green paint than there were yellow. How many liters of paint other than yellow and green was brought?

121 L

$$Y = 96 L$$
$$G = 96 - 38 = 58 L$$
$$P = 275 - (96 + 58) =$$
$$275 - 154 =$$
$$= 121 L$$

D. On three 2nd grade teams (2A, 2B & 2C) there are 90 students. There are 34 students on the 2A team, there are 2 more students than that on the 2B team. How many students are on the 2C team?
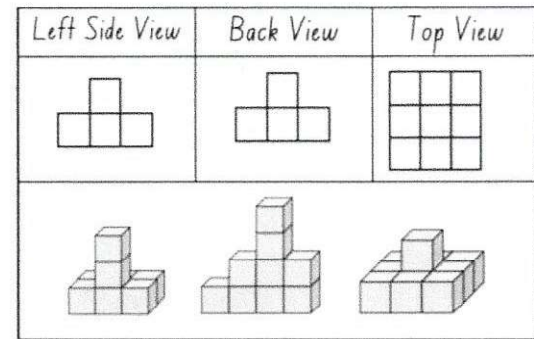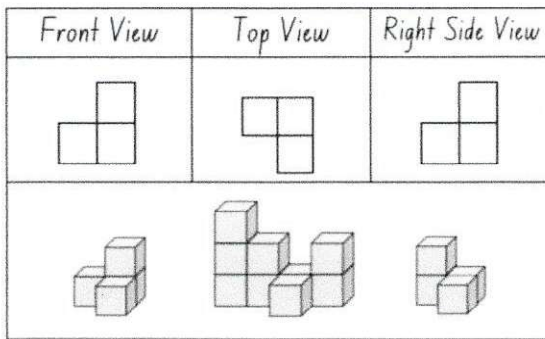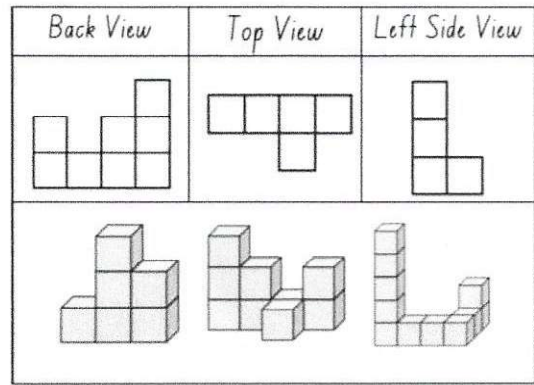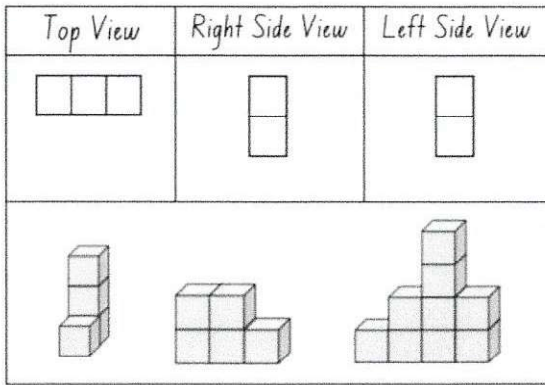
$$A = 34$$
$$B = 36$$
$$C = 90 - (34 + 36) =$$
$$= 90 - 70 =$$
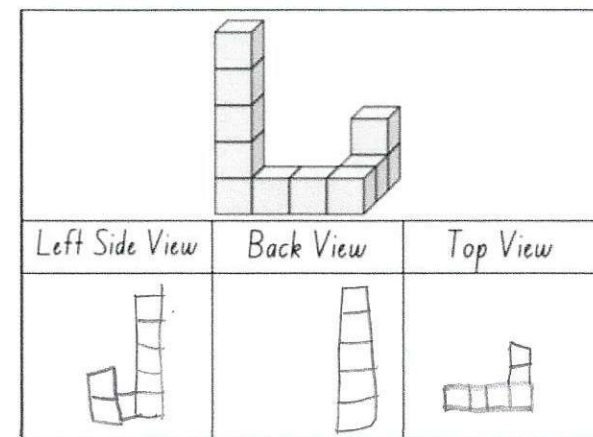$$= 20 \text{ students}$$
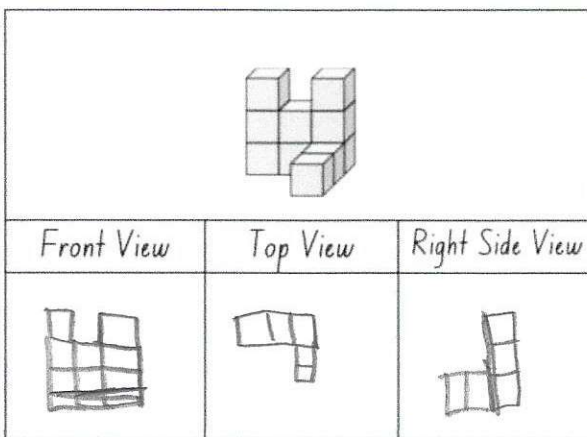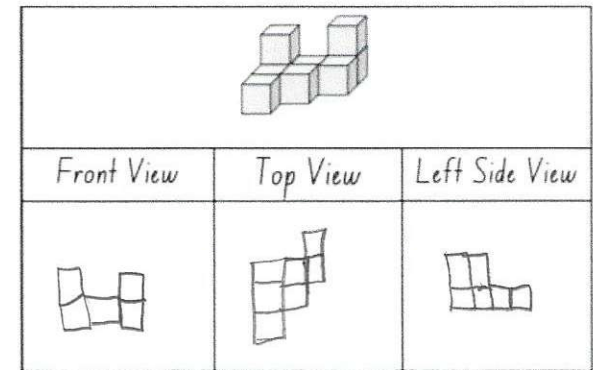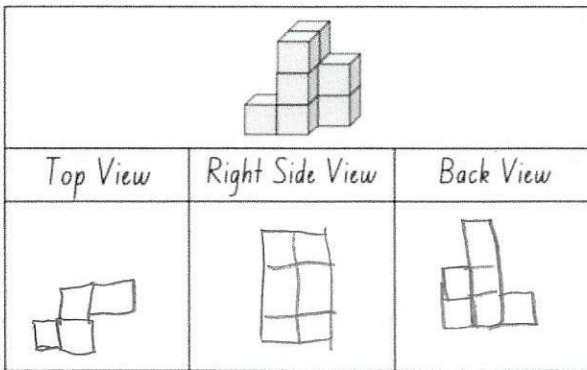
What other questions can you ask?
How many more students are in the 2A team than in the 2C?

3 Look at the front, right side, left side, top and back view drawings. Match each one with a 3D object. Circle the matching 3D object.

Top View	Right Side View	Left Side View

Back View	Top View	Left Side View

Front View	Top View	Right Side View

Left Side View	Back View	Top View

Look at these 3D objects. Draw some of the 2D viewpoints (from the front, right side, left side, top and back).

Top View	Right Side View	Back View

Front View	Top View	Left Side View

Front View	Top View	Right Side View

Left Side View	Back View	Top View

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4

A. There are four horses and three people. How many legs are there in total?

22

B. In a restaurant there are five tables for two people and four tables for four people. How many people can sit in the restaurant?
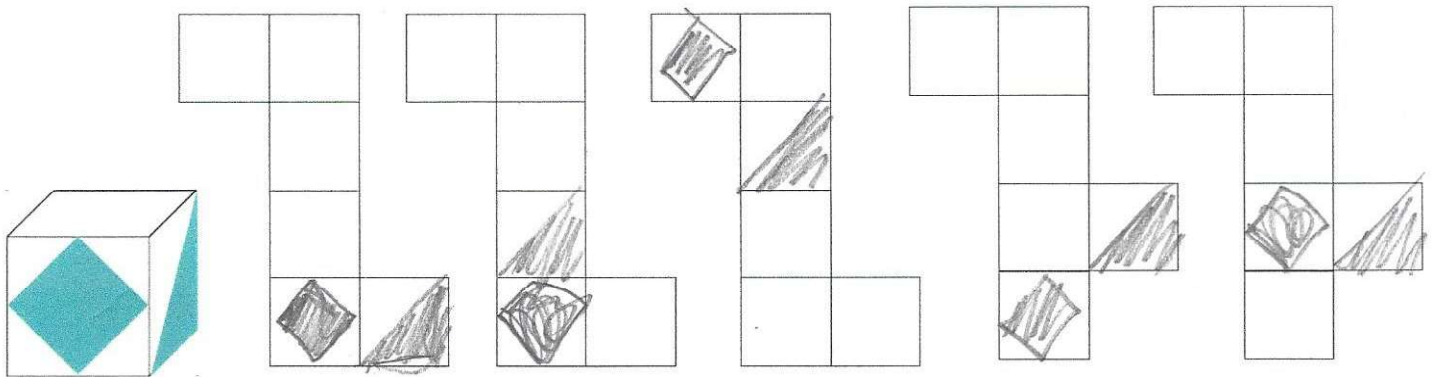
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C. Kyle's dog usually eats two treats per day. Once the dog lost its appetite and did not eat treats for 3 days in a row. How many treats did the dog eat that week?
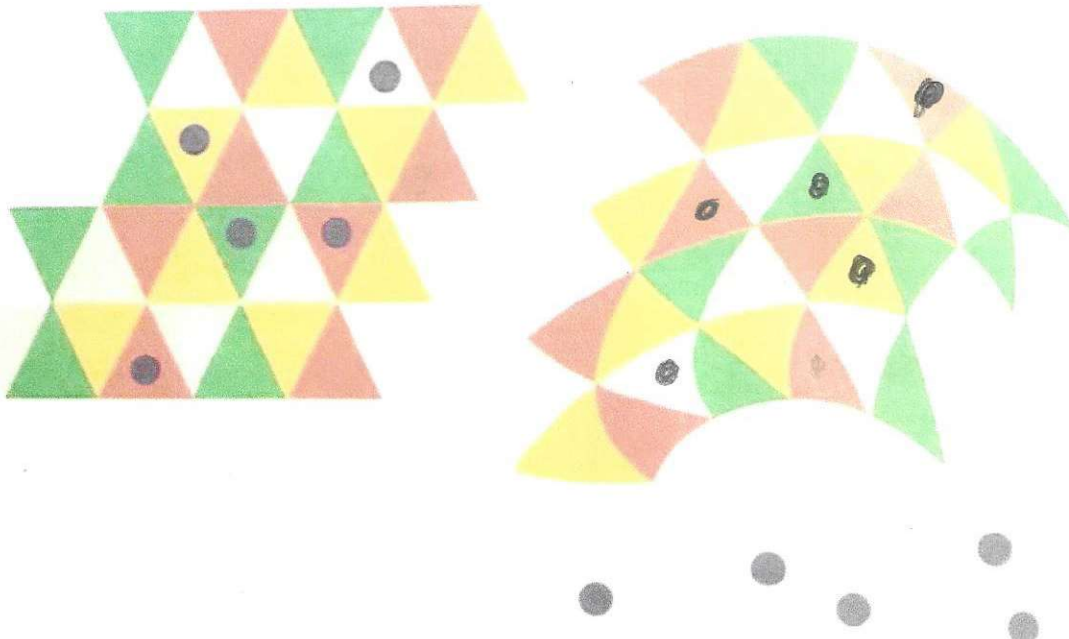
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5 Color two squares on the cube's net that match the visible faces of the cube.

6 Dots got washed away from a piece of paper (the first figure). After the paper got dry, it looked slightly different (the second figure). On the second figure, can you place the dots on the same spots on the first figure.

8 The operations of this algorithm are encoded by means of special signs. For example:

- ● — Place pencil into this point
- ➡ 1 — Plot a 1 cell long line to the right
- ⬅ 2 — Plot a 2 cell long line to the left
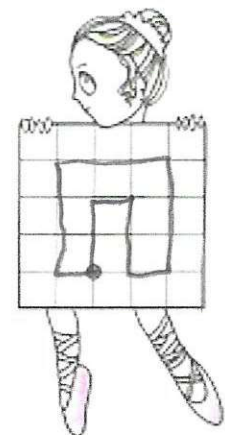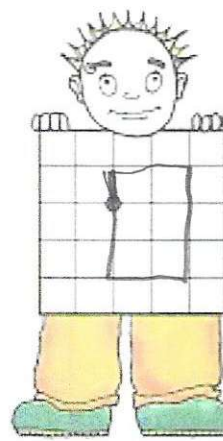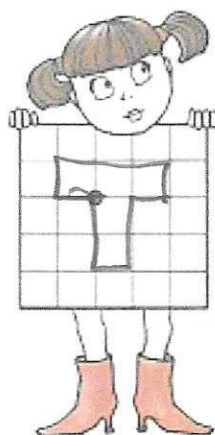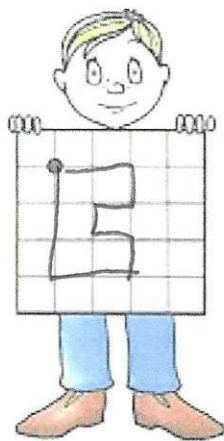- ⬆ 3 — Plot a 3 cell long line up
- ⬇ 1 — Plot a 1 cell long line down

Perform the algorithms

Write a Letter	Write a letter	Write a letter	Write a letter
1. **Start**	1. **Start**	1. **Start**	1. **Start**
2. ●	2. ●	2. ●	2. ●
3. ⬇ 3	3. ⬅ 1	3. ⬆ 1	3. ⬆ 2
4. ➡ 2	4. ⬆ 1	4. ➡ 2	4. ➡ 1
5. ⬆ 1	5. ➡ 3	5. ⬇ 3	5. ⬇ 2
6. ⬅ 1	6. ⬇ 1	6. ⬅ 2	6. ➡ 1
7. ⬆ 1	7. ⬅ 1	7. ⬆ 2	7. ⬆ 3
8. ➡ 1	8. ⬇ 2	8. **End**	8. ⬅ 3
9. ⬆ 1	9. ⬅ 1		9. ⬇ 3
10. ⬅ 2	10. ⬆ 2		10. ➡ 1
11. **End**	11. **End**		11. **End**

Betty is on the first floor right now. Help Betty to get to the roof and save her laundry from the rain.