When Meesha goes to the gym he spends 6 minutes on each of his exercise machines. This morning he used five machines.

How much time has he spent exercising this morning?

○ quarter of an hour
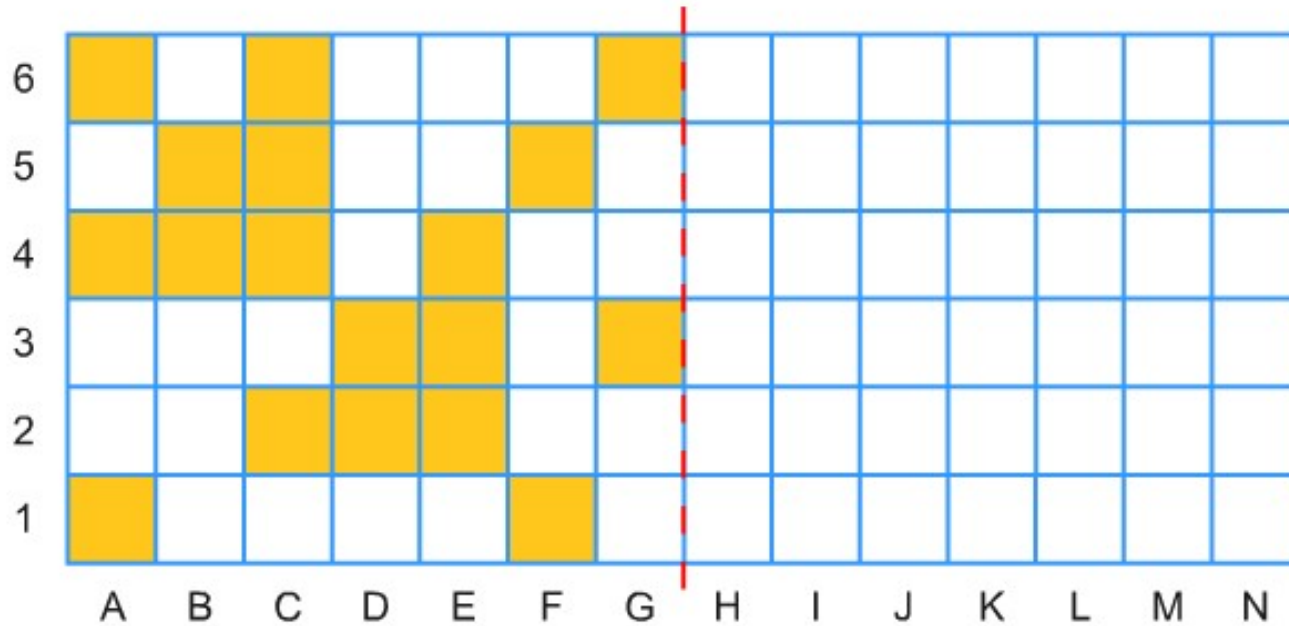
○ half an hour

○ three-quarters of an hour

○ an hour

Jack is paid an allowance of $24. He uses a pie graph to show how he spends the money.

About how much money does Jack save each week?

- ○ $2
- ○ $4
- ○ $6
- ○ $8

Max is making a symmetrical pattern by shading squares. The dotted line is a line of symmetry.
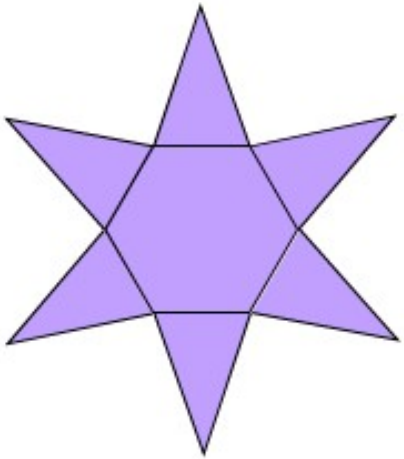

Which one of these squares will be shaded?

- ◯ J5
- ◯ K4
- ◯ M3
- ◯ L2

Matthias drew this diagram showing the net of a pyramid.

How many edges will be on the pyramid when it is formed?

○ 6

○ 10

○ 12

○ 18

Corey is half as old as Sandi.

Sandi is four years older than Brae.

Sandi   Brae   Corey

If Corey is 7 years old, how old is Brae?

- ◯ 8 years old
- ◯ 9 years old
- ◯ 10 years old
- ◯ 14 years old

At a local store, digital prints cost 24 cents each.
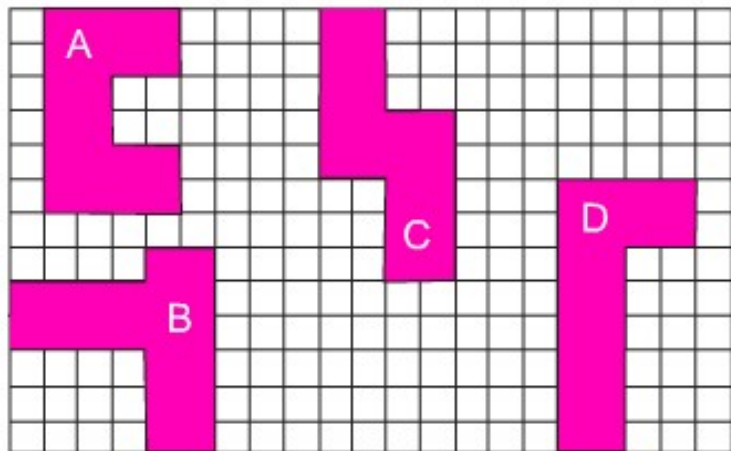
Dylan has 123 images on his camera's memory stick.

What is the best estimate for the cost of printing all his images?

- ○ $30
- ○ $40
- ○ $45
- ○ $50

Four different shapes are drawn on grid paper.

Which statement is correct?

○ All the shapes have the same perimeter and the same area.

○ The perimeter of Shape C is less than the perimeter of Shape D.

○ The area of Shape A is more than the area of Shape B.

○ The perimeter of Shape A is less than the perimeter of Shape C.

While on holiday, Adam and Jannah each hired bodyboards from Pete's Beach Shack.

If Adam and Jannah both hired their boards for 3 hours, how much did they pay **in total**?

- ○ $24
- ○ $36
- ○ $48
- ○ $60

Matchsticks are used to form squares as shown in the figures below.
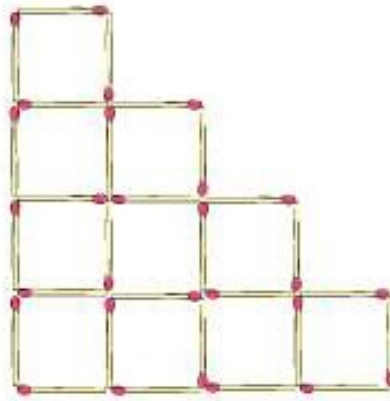

Figure 1   Figure 2   Figure 3   Figure 4

If the pattern is continued, how many **matchsticks** would be used in Figure 5?

- ⬭ 42
- ⬭ 40
- ⬭ 38
- ⬭ 36

Emma rolls two dice and adds the numbers to get a score.

This means that when she rolls 4 on one die and 5 on the other she gets a score of 9.

Emma is going to write all the possible scores in a table.

	1	2	3	4	5	6
1						
2		4				
3						
4						
5			9			
6						

When two dice are rolled which score is most likely to occur?

○ 5

○ 6

○ 7

○ 9

Which group of fractions is in ascending order (from lowest to highest)?

$\dfrac{1}{4}, \dfrac{1}{6}, \dfrac{1}{10}$ ○

$\dfrac{1}{6}, \dfrac{1}{4}, \dfrac{1}{10}$ ○

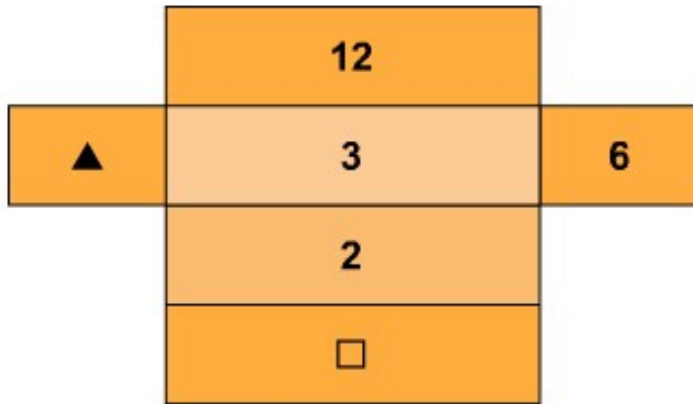$\dfrac{1}{10}, \dfrac{1}{4}, \dfrac{1}{6}$ ○

$\dfrac{1}{10}, \dfrac{1}{6}, \dfrac{1}{4}$ ○

The net of a rectangular prism is drawn and a number is written on each face so that in each case the two numbers on opposite faces multiply to the same result.

Two of the numbers are missing and have been replaced with symbols.

What are the missing numbers?

- ▲ = 4 and □ = 8
- ▲ = 8 and □ = 4
- ▲ = 1 and □ = 4
- ▲ = 4 and □ = 1