1 Sarah is making a tower out of building blocks for her school project.

She has 8 blocks, each measuring 15 cm in height.

What will be the total height of the tower when she stacks all the blocks on top of each other?

A 1.2 m   **B** 0.12 m   **C** 12 m   **D** 120 m

1

2 Amelia swims 5 laps of a pool every day.

She knows that each lap is approximately 0.05 miles long.

How many miles does Amelia swim each day?

A 0.25 miles   **B** 0.5 miles   **C** 0.2 miles   **D** 0.1 miles

1

3 Sarah is organising a charity fundraiser and needs to make 150 sandwiches.

She has already made 67 sandwiches so far.

How many more sandwiches does Sarah need to prepare?

A 83   **B** 93   **C** 73   **D** 117

1

4 Amelia is making a large batch of lemonade for a party.

She has used 3.6 litres of lemon juice.

1 litre is roughly equal to 1.75 pints.

Approximately how many pints of lemon juice has Amelia used?

A 2 pints   **B** 4.5 pints   **C** 6 pints   **D** 9 pints

1

5 In a sale, a shop is offering a 40% discount on all items. If the original price of a jumper is £80, how much money would you save by buying it in the sale?

A £32   **B** £3.20   **C** £48   **D** £28

1

6

A school has two playgrounds, each measuring 80 m by 60 m.

There is a bench for every 12 m^2 of space in the playgrounds.

How many benches are there in total across both playgrounds?

A 800 **B** 9 600 **C** 400 **D** 140

1

7

A rectangle has vertices at (2, 1), (2, 5), (7, 1), and (7, 5).

If the rectangle is reflected across the y-axis and then shifted up by 3 units, what are the new coordinates of the top-right vertex?

A (-7, 8) **B** (-2, 4) **C** (7, 8) **D** (-2, 8)

1

8

The number of goals scored by two football players, Charlie (who scored C goals) and David (who scored D goals), satisfy the equation $3C + 2D = 17$.

Which of the following could be the number of goals Charlie and David scored?

A Charlie scored 5 goals, David scored 1 goal. **B** Charlie scored 4 goals, David scored 3 goals. **C** Charlie scored 3 goals, David scored 4 goals. **D** Charlie scored 6 goals, David scored 2 goals.

1

9

A rectangular photograph measures 15 cm in width and 10 cm in height.

What is the area of the photograph when expressed in square millimetres?

A 15,000 mm² **B** 1,500 mm² **C** 150 mm² **D** 1.5 mm²

1

10

Sarah is training for a marathon and wants to run a total of 500 kilometres over the course of 50 days.

On average, what is the minimum number of kilometres she needs to run each day to achieve her target?

A 5 **B** 10 **C** 25 **D** 50

1