1

A regular shape has four lines of symmetry.

What is the name of this regular shape?

A Octagon   **B** Square   **C** Triangle   **D** Pentagon

1

2

Amir went shopping for some new clothes.

He bought a shirt for £12.99, a pair of jeans for £24.50, and a belt for £8.75.

He paid with a £50 note.

How much change did Amir receive?

A £3.76   **B** £4.26   **C** £46.24   **D** £5.76

1

3

Amelia is participating in a 3-day hiking challenge in the Lake District.

The event begins at 7 am on Saturday and concludes at 4 pm on Monday.

How many hours does Amelia have to finish the challenge?

A 57 hours   **B** 45 hours   **C** 69 hours   **D** 81 hours

1

4

The formula $m = 0.62k$ can be used to convert k kilometres to m miles.

Using this formula, how many miles is 25 kilometres?

A 15.5 miles   **B** 40.32 miles   **C** 0.62 miles   **D** 16.05 miles

1

5

Amelia is designing a garden plot.

She marks out the corners of the plot at coordinates (3, 3), (-3, 3), (-3, -1) and (3, -1).

What shape will Amelia's garden plot be?

A A rectangle   **B** A square   **C** A parallelogram   **D** A trapezium

1

6 Liam is training for a marathon and decides to track his progress.

In the first four days of his training, he runs a total of 48 kilometres.

What is the average distance Liam runs each day during this period?

A 10 kilometres   **B** 11 kilometres   **C** 12 kilometres   **D** 13 kilometres

1

7 If a train ticket from London to Manchester costs £80 and Tom buys 4 tickets, how much change will he receive from £400?

A £60   **B** £80   **C** £100   **D** £120

1

8 Amelia was baking a cake for her friend's birthday party.

She spent 25 minutes and 40 seconds mixing the ingredients and then 35 minutes and 20 seconds waiting for the cake to bake in the oven.

How much time in total did Amelia spend making the cake?

A 1 hour and 1 minute   **B** 1 hour and 5 minutes   **C** 55 minutes   **D** 1 hour and 10 minutes

1

9 A bakery sells a box of 6 cupcakes for £9. They also sell individual cupcakes for £2 each.

Which expression represents the total cost in pounds of a box of cupcakes and an additional y individual cupcakes?

A $9 + 2y$ **B** $9 \times 2y$ **C** $9 + 2 + y$ **D** $9y + 2$

1

10 Liam has 3.2 kg of strawberries and 800 g of blueberries, which he wants to use to make smoothie packs.

Each smoothie pack will contain 500 g of mixed berries.

How many smoothie packs can Liam make with the berries he has?

A 8   **B** 6   **C** 10   **D** 4

1