1

Amelia is planning a trip to visit four cities.

The distances between each city and the next are 215 miles, 189 miles, 203 miles, and 197 miles.

What is the average distance Amelia will travel between the cities?

A 201 miles   B 195 miles   C 198 miles   D 205 miles

1

2

A taxi company charges a fixed booking fee of £5 plus an additional £3 per mile travelled.

Using the formula $C = 5 + 3m$, where C is the total cost and m is the number of miles, calculate the cost of a 12-mile taxi journey.

A £41   B £36   C £17   D £48

1

3

A bakery sells a pack of 6 croissants for £2.34.

Sarah purchases enough croissants to serve 30 people.

What is the total cost of Sarah's purchase?

A £11.70   B £14.04   C £9.75   D £7.80

1

4

Sarah is organising a school trip to the zoo.

The zoo charges £8 per child.

Sarah has collected a total of £1,600 from the children.

How many children are going on the trip?

A 20   B 80   C 160   D 200

1

5

Sarah is designing a rectangular pond for her local park on a grid.

The coordinates of the four corners of the pond are (2, 1), (2, 6), (7, 1) and (7, 6).

She then plots a point to represent the fountain in the middle of the pond.

Which of the following coordinates is the location of the fountain?

A (3, 4)   B (4.5, 3.5)   C (5, 7)   D (8, 2)

1

6 A polygon has five sides fewer than a dodecagon.

How many sides does this polygon have?

A 7   **B** 5   **C** 9   **D** 12

1

7 A recipe for making pancakes says that 200 ml of milk is needed to make 8 pancakes.

Amelia wants to make 24 pancakes for her friends.

How much milk does she need?

A 600 ml   **B** 400 ml   **C** 800 ml   **D** 1 200 ml

1

8 A regular pentagon has five equal sides and five equal angles.

The sum of the angles inside a regular pentagon is 540°.

Calculate the size of each individual angle in a regular pentagon.

A 108°   **B** 120°   **C** 90°   **D** 144°

1

9 Liam is helping his dad to transport some bricks in a wheelbarrow from their garage to the back garden, where they are building a new patio.

There are 24 bricks in total, and Liam can fit a maximum of 6 bricks in the wheelbarrow at a time.

The distance from the garage to the spot where they're building the patio is 15 metres.

What is the total distance Liam will travel to move all the bricks from the garage to the patio, including his return trips?

A 105 metres   **B** 120 metres   **C** 90 metres   **D** 60 metres

1

10 Amelia is making a fruit salad for a party.

She needs 325 g of strawberries, 280 g of grapes and 195 g of blueberries.

What is the total weight of the fruit Amelia needs for the salad?

A 800 g   **B** 810 g   **C** 790 g   **D** 820 g

1