1

In a pentagon, the measures of four of the angles are 100°, 120°, 90°, and 140°.

What is the measure of the fifth angle?

A 90°   B 130°   C 80°   D 170°

1

2

Sarah is building a wooden planter box for her garden. The base of the planter has dimensions of 60 cm × 30 cm × 2 cm.

She wants to add four posts, one at each corner, to support a trellis. Each post has dimensions of 5 cm × 5 cm × 100 cm.

Calculate the total volume of wood used to construct the planter box, including the base and posts.

A 13 600 cm³   B 10 000 cm³   C 2 500 cm³   D 9 600 cm³

1

3

A factory produced 8 723 496 cans of soup in a year.

If they were packed into boxes of 184 cans each, how many boxes were filled?

A 47 410   B 474 100   C 4 741   D 4 741 000

1

4

In a competition to estimate the number of jelly beans in a large glass container, Olivia guesses 2,754 and Liam guesses 3,189. The actual number of jelly beans in the container is 2,981.

Which person's estimate was closer to the actual number, and by how many jelly beans did their estimate differ from the actual number?

A Liam, by 208 jelly beans.   B They were both off by 208 jelly beans.   C Olivia, by 227 jelly beans.   D Olivia, by 189 jelly beans.

1

5

Amelia is buying some stationery for school.

She purchases a pen for £1.20, a pencil for 80p, a ruler for £1.50, an eraser for 60p, and a notebook for £2.40.

Calculate the average price of an item Amelia bought.

A £1.30   B £1.20   C £1.40   D £1.50

1

6 Tom started his shift at a call centre at 8:30 am and finished at 3:45 pm.

During his shift, he took two 30-minute breaks.

How long did Tom actually spend working?

A 6 hours and 15 minutes B 7 hours and 15 minutes C 6 hours and 45 minutes D 5 hours and 15 minutes

1

7 A circular running track has a radius of 53.2 m.

What is the diameter of the running track?

A 106.4 m   B 26.6 m   C 110.2 m   D 105.8 m

1

8 Sarah is buying sweets for her friends at the corner shop.

She exchanges a £5 note and four 50p coins for 10p sweets.

What is the total number of 10p sweets Sarah receives?

A 70   B 35   C 50   D 140

1

9 Olivia and her sister Emma are saving up their pocket money to buy a new video game.

Olivia has saved £12.50 so far, and Emma has saved £8.75.

If the video game costs £24.99, how much more money do they need to save in total to be able to buy it?

A £3.74   B £21.25   C £46.24   D £2.49

1

10 In a calculation, 37 is multiplied by 100.

Which of the following represents the same result if 37 is divided by 0.01 instead?

A 3 700   B 370 000   C 37   D 370

1