1

A bakery produces a total of B biscuits per day. The number of chocolate biscuits produced is 150 less than the total number of biscuits. The number of ginger biscuits produced is 3 times the number of chocolate biscuits.

Which of the following expressions represents the number of ginger biscuits produced by the bakery per day?

A $3(B - 150)$ **B** $B - 150$ **C** $3B - 150$ **D** $B + 450$

1

2

A pizza restaurant offers a special deal where they cut their extra-large pizzas into 12 equal slices.

What is the angle, in degrees, of each slice of the extra-large pizza?

A 30°   **B** 24°   **C** 36°   **D** 45°

1

3

Amelia is practising her archery skills. She shoots four arrows at the target.

The distances from the centre of the target for each arrow are: 12 cm, 15 cm, 18 cm, and 20 cm.

What is the average distance from the centre of the target across Amelia's four shots?

A 16.25 cm   **B** 17 cm   **C** 15 cm   **D** 16 cm

1

4

A bakery sells cookies in boxes of 12. Each cookie has a mass of 15 g.

The empty cookie box has a mass of 50 g.

If a customer orders 20 boxes of cookies, what is the total mass of their order, including the boxes?

A 4.6 kg   **B** 5.6 kg   **C** 3.6 kg   **D** 4.0 kg

1

5

Olivia has collected 624 seashells during her summer holiday.

She wants to display them in picture frames.

Each picture frame has space for 4 rows of seashells, and each row can hold 6 seashells.

How many picture frames will Olivia need to display all her seashells?

A 26   **B** 24   **C** 39   **D** 52

1

6 A group of friends go to a restaurant and order some pizzas.

The number of slices each friend eats is as follows: 3, 2, 4, 1, 3, and 2.

What is the average number of pizza slices eaten by each friend?

A 2   B 2.5   C 3   D 3.5

1

7 A local bakery is making a large batch of chocolate chip cookies for a school bake sale. Each cookie requires 12.5 grams of chocolate chips.

If the recipe makes 18 cookies, how many grams of chocolate chips are needed in total?

A 225   B 2.25   C 22.5   D 2 250

1

8 Amelia is designing a garden plot in the shape of a parallelogram.

So far, she has marked out the points (2, 1), (2, 6) and (7, 6) on a coordinate grid.

Which of the following points should she use to complete the parallelogram?

A (7, 1)   B (1, 7)   C (6, 2)   D (1, 2)

1

9 Samantha is learning about shapes in her maths class.

She is asked to draw a regular polygon that has exactly four lines of symmetry.

Which shape should Samantha draw?

A Square   B Equilateral Triangle   C Regular Pentagon   D Regular Hexagon

1

10 A rectangular garden has an area of 48 m^2.

The lengths of the sides of the garden are all whole numbers of metres.

Which of the following could be the perimeter of this garden?

A 28 m   B 32 m   C 34 m   D 36 m

1