

1 Which of the following measurements represents an obtuse angle?

A 45°

B 90°

C 135°

D 60°

1

2 A recipe for chocolate chip cookies requires 250 g of flour per batch.

Oliver wants to make enough cookies for his school bake sale and needs a total of 3 kg of flour.

How many batches of cookies can Oliver make with 3 kg of flour?

A 12

B 8

C 15

D 10

1

3 Liam, Noah and Oliver are brothers.

Liam is 5 years older than Noah, and Oliver is 2 years younger than Noah.

The mean age of the three brothers is 12 years old.

How old is Noah?

A 11

B 12

C 14

D 8

1

4 Liam is baking a cake for his friend's birthday party, which starts at 14:30.

He needs to bake the cake for 45 minutes and then let it cool for 15 minutes before decorating it, which will take another 20 minutes.

At what time should Liam start baking the cake to have it ready in time for the party?

A 13:10

B 13:15

C 13:30

D 13:50

1

5 A gardener charges £12.50 per hour for their services.

They also receive a bonus of 25% of the cost of any plants they plant during the day.

Which of the expressions below can be used to calculate the gardener's pay in pounds, on a day when they worked for h hours and planted p pounds worth of plants?

A $12.50h + (p \div 4)$

B $(12.50 + 25)p$

C $12.50h + 25p$

D $0.25h + 12.50p$

1

6

A recipe for chocolate chip cookies requires 250g of butter.

Amelia wants to make a large batch of cookies for a bake sale and needs 2kg of butter in total.

How many 250g packets of butter should Amelia purchase?

A 6**B** 8**C** 10**D** 12

1

7

Olivia is baking a cake for her friend's birthday party.

The recipe requires 0.3 kg of flour and 150 g of sugar.

What is the total weight of the dry ingredients Olivia needs for the cake?

A 0.45 kg**B** 0.35 kg**C** 0.6 kg**D** 450 g

1

8

A solid object has 6 faces, 8 vertices, and 12 edges.

Two of the faces are identical squares, while the other four faces are identical rectangles.

What is the name of this three-dimensional shape?

A Rectangular prism**B** Cube**C** Triangular prism**D** Octahedron

1

9

Rajesh has a 7 500 ml container of orange juice.

He pours 250 ml of juice into each glass.

He fills as many glasses as possible.

How much orange juice is left in the container?

A 0 ml**B** 100 ml**C** 50 ml**D** 250 ml

1

10

Solve the following equation for x :

$$12.7 + x = 6.3 + 19.82$$

A 13.42**B** 26.12**C** 7.12**D** 33.82

1

