

1

Liam is packing for a camping trip. He has a rucksack and a sleeping bag.

The total weight of the rucksack and sleeping bag is 3.2 kg. The sleeping bag weighs 1.4 kg.

What is the weight of Liam's rucksack?

A 1.8 kg

B 4.6 kg

C 2.8 kg

D 1.6 kg

1

2

Liam has a 2 litre bottle of orange juice.

He pours the juice equally into 5 glasses for himself and his friends.

How many millilitres of orange juice does each glass contain?

A 400 ml

B 500 ml

C 250 ml

D 300 ml

1

3

The ages of four children in a holiday club are: 12, 8, 15, and 10.

A fifth child joins, and the mean age of all five children is now 10 years old.

How old is the new child?

A 5

B 1

C 2

D 3

1

4

A group of friends decide to split the cost of a meal equally between them.

The total bill for the meal comes to £84.

Which of the following options could not be the number of friends in the group?

A 3

B 4

C 6

D 11

1

5

In a triangle, one of the angles is 110° .

What can you say about the type of triangle it is?

A acute

B right-angled

C obtuse

D equilateral

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6

A circular trampoline in a garden has a radius of 1.35 metres.

What is the diameter of the trampoline?

- A 2.7 metres B 4.05 metres C 0.675 metres D 2.47 metres

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7

A recipe for 12 cupcakes requires 180g of flour.

How many grams of flour would be needed to make 120 cupcakes using the same recipe?

- A 1 800 B 180 C 1.8 D 18 000

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8

A single train ticket from London to Manchester costs £87.

How much would it cost for a group of 9 friends to travel from London to Manchester?

- A £783 B £792 C £774 D £801

1

9

A local bakery produces a total of $12b$ bread rolls per day.

If seeded rolls and sourdough rolls together account for one-third of the total production, which equation represents the number of seeded and sourdough rolls made daily?

- A $12b \div 3$ B $2(2b)^2$ C $12b \div 4$ D $3(2b)$

1

10

Samantha is describing a shape to her classmates in art class.

She says that the shape has no right angles and that all of its sides are the same length.

Which of the following could her shape be?

- A Rhombus B Scalene triangle C Regular pentagon D Isosceles trapezium

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