

1

Sarah has a water tank with a capacity of 150 litres.

She completely fills the tank with sand.

1 litre of sand has a mass of 1.6 kg.

What is the total mass of the sand in the tank?

- A 240 kg B 2.4 kg C 24 kg D 0.24 kg

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2

Liam is building a model aeroplane that requires 1,248 pieces.

He assembles 153 pieces each day.

After 7 days, how many pieces does Liam still need to assemble to complete the model aeroplane?

- A 177 B 201 C 159 D 195

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3

A triangular prism is a three-dimensional shape that has two identical triangular bases connected by three rectangular faces.

How many edges does a triangular prism have in total?

- A 6 B 9 C 12 D 15

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4

Amelia is saving up to buy a new bicycle.

She currently has £120 in her piggy bank.

Each week, she manages to save an additional £12.50 from her pocket money.

How much money will Amelia have saved after 6 weeks?

- A £195 B £187.50 C £205 D £180

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5

A bakery sells 248 cupcakes per day.

How many cupcakes does the bakery sell in 42 days?

- A 10 416 B 5 208 C 20 832 D 2 480

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6

A blue whale is the largest animal at the aquarium, weighing an impressive 150 000 kg.

A crab, who lives in the same aquarium, weighs 200 000 times less.

How much does the crab weigh?

- A 0.75 kg B 7.5 kg C 0.075 kg D 0.75 kg

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7

A quadrilateral has the following properties: Its diagonals are not perpendicular, it has two pairs of parallel sides and all angles are equal.

What shape must it be?

- A Square B Rectangle C Rhombus D Parallelogram

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8

Ethan has a box containing 8 toy cars with a total weight of 1,200 g.

He takes out one car that weighs 140 g to play with.

What is the average weight of the remaining toy cars in the box?

- A 151.43 g B 1,060 g C 132.5 g D 150 g

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9

Amelia started her swimming lesson at 4:15 pm.

The lesson ended at 5:40 pm.

How long did Amelia's swimming lesson last?

- A 1 hour and 25 minutes B 1 hour and 15 minutes C 1 hour and 35 minutes D 1 hour and 45 minutes

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10

A bakery sells cupcakes in boxes of 12.

Last month, they sold 600 cupcakes in these 12-cupcake boxes and earned a total of £450.

If each box was sold for the same price, how much did each box of cupcakes cost?

- A £9 B £7.50 C £75 D £0.75

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