

1 A recipe for making chocolate chip cookies requires 12 ounces of flour for every 16 ounces of chocolate chips.

If Sarah has 27 ounces of chocolate chips, how many ounces of flour does she need to make the cookies?

- A 20.25 ounces B 36 ounces C 18 ounces D 24 ounces

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2 In a school, there are 1 670 students in total.

If the students are divided equally into groups of 5, how many complete groups would there be?

- A 234 B 335 C 334 D 333

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3 A large rectangular fish tank in a zoo has a capacity of 3 000 litres.

The tank is 50 cm tall and 150 cm long.

If 1 litre = 1 000 cm³, what is the width of the fish tank?

- A 400 cm B 450 cm C 350 cm D 300 cm

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4 Amelia is planning a trip to the cinema with her friends.

The cinema charges a booking fee of £2.50 per ticket, and each ticket costs £8.

Which expression represents the total cost in pounds for Amelia to buy t tickets?

- A $10.5t$ B $2.5 + 8t$ C $10.5 + t$ D $2.5t + 8$

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5 A bakery uses 250g of flour to make a loaf of bread.

Flour costs £1.20 per kilogram.

How much does the flour cost for 18 loaves of bread?

- A £5.40 B £4.50 C £5.04 D £5.60

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6

Sarah measures the angle between the hour hand and the minute hand on a clock face.

The angle she measures is 168° .

What type of angle is this?

A acute**B** reflex**C** obtuse**D** right

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7

A factory produces 48 cars in 6 hours.

If the factory maintains the same production rate, how many cars will it produce in 11.5 hours?

A 92 cars**B** 88 cars**C** 96 cars**D** 84 cars

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8

A local charity shop gives out loyalty points in the form of silver and gold stars to customers who make donations.

The value of the loyalty points (£ V) is calculated using the formula $V = 2s + 3g$, where s is the number of silver stars and g is the number of gold stars.

Liam had 18 gold stars and his loyalty points were worth £66 in total. How many silver stars did he have?

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

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9

Samantha purchases a set of art supplies for £38.75.

She then sells the entire set to her friend for £59.99.

Calculate the amount of profit Samantha made from this transaction.

A £21.24**B** £20.24**C** £22.24**D** £21.34

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10

Which of the following shapes has the smallest number of sides?

A Rhombus**B** Trapezium**C** Triangle**D** Pentagon

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