

Multi-Step Worded Problems

For AQA GCSE Mathematics (8300) • Foundation tier

Name _____

Total marks: **26**

Answer **all** questions in the spaces provided. Show your working: marks are given for correct method.

- 1** Lily is 4 years older than Sam.
Sam is twice as old as Max.
Max is 7 years old.
- Work out the total of their three ages.

[2 marks]

Answer _____

- 2** Mia has £20
She wants to buy 3 books at £4.75 each and 2 pens at £1.99 each.
- Does Mia have enough money? Tick a box.
You must show your working.

[2 marks]

☐ Yes

☐ No

- 3** 185 students and 14 teachers go on a school trip.
Each coach holds 52 people.

Work out the least number of coaches needed.

[2 marks]

Answer _____

- 4** A school buys 7 boxes of pencils.
Each box contains 144 pencils.
The pencils are shared equally between 36 classes.

How many pencils does each class get?

[3 marks]

Answer _____

- 5** Ravi is cooking a chicken for a family dinner.
The chicken needs 1 hour 45 minutes in the oven.
When it comes out of the oven, it must rest for 20 minutes.
Ravi then needs 15 minutes to carve and serve it.
Dinner must be served at 19:15

What is the latest time Ravi can put the chicken in the oven?

[3 marks]

Answer _____

- 6** A farmer collects 500 eggs.
He puts them into boxes of 6
He sells only the full boxes, for £1.85 each box.
How much money does the farmer get?

[3 marks]

Answer £ _____

- 7** Ali wants to buy a bike that costs £249
He already has £60
He saves £15 each week.
How many weeks will it take Ali to save enough money?

[3 marks]

Answer _____

- 8** Rob is going to paint a wall.
The wall is a rectangle 5 m long and 3.2 m high.
He will paint two coats on the wall.
One tin of paint covers 12 m^2
Each tin costs £8.99

Work out the cost of the paint.

[4 marks]

Answer £ _____

- 9** Rhea is going to cover a rectangular lawn with turf.
The lawn is 6.5 m long and 4 m wide.
Turf is sold in rectangular rolls.
Each roll is 60 cm wide and 2.5 m long.
Each roll costs £3.40
Rhea has £60

Does Rhea have enough money to buy the turf she needs? Tick a box.
You must show your working.

[4 marks]

☐ Yes

☐ No