

Multi-Step Worded Problems

For Pearson Edexcel GCSE Mathematics (1MA1) • Foundation tier

Name _____

Total marks: **24**

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

- 1** Buses leave a bus stop every 12 minutes.
The first bus leaves at 07:05
Aisha arrives at the bus stop at 07:50

How many minutes does Aisha have to wait for a bus?

..... minutes
(2)

(Total for Question 1 is 2 marks)

- 2** Tobias has a plank of wood 3 m long.
He cuts as many shelves of length 45 cm as he can from the plank.

How much more wood would Tobias need to cut one more shelf?

..... cm
(3)

(Total for Question 2 is 3 marks)

- 3** Hanna works 6 hours each day from Monday to Friday.
She is paid £10.90 per hour.
She also works 4 hours on Saturday.
She is paid £13.50 per hour on Saturday.

Work out how much Hanna earns in one week.

£
(3)

(Total for Question 3 is 3 marks)

- 4** Max fills an empty tank with water.
The tank holds 180 litres.
Water flows into the tank at 12 litres per minute.
Max starts filling the tank at 9:48 am.

At what time will the tank be full?

.....
(3)

(Total for Question 4 is 3 marks)

- 5 The table shows the charges at a car park.

First 2 hours	£3.20
Each extra hour or part of an hour	£1.50

Oscar parks his car from 09:40 until 14:15

How much does Oscar have to pay?

£
(3)

(Total for Question 5 is 3 marks)

- 6 There are 1200 students at a school.
 $\frac{3}{8}$ of the students walk to school.
35% of the students come to school by bus.
All the other students come to school by car.

Work out the number of students who come to school by car.

.....
(4)

(Total for Question 6 is 4 marks)

- 7** A bakery has two ovens, oven A and oven B.
A tray of bread rolls comes out of oven A every 40 minutes.
A tray of scones comes out of oven B every 25 minutes.
At 6:30 am, a tray comes out of each oven at the same time.
At what time will trays next come out of both ovens at the same time?

.....
(3)

(Total for Question 7 is 3 marks)

- 8** Ella is planning a party for 58 people.
Each pizza is cut into 8 slices.
Each person will eat 3 slices.
Pizzas cost £6.50 each.
Work out the total cost of the pizzas Ella needs to buy.

£
(3)

(Total for Question 8 is 3 marks)
