Q1.

Amina asked 60 children to choose their favourite flavour of jelly.

These were her results.

Flavour	Number of children
Raspberry	12
Lemon	8
Orange	15
Blackcurrant	25
Total	**60**

What **percentage** of the 60 children chose orange?

%

1 mark

Q2.

A machine pours 250 millilitres of juice every 4 seconds.

How many **litres** of juice does the machine pour every **minute**?

Show your method

litres

2 marks

Q3.

Here are three symbols.

$<$ $>$ $=$

Write one symbol in each box to make the statements correct.

$\frac{7}{10}$ ☐ 0.07

$\frac{23}{1000}$ ☐ 0.23

1 mark

Q4.

A theme park sells tickets online.

Each ticket costs £24

There is a £3 charge for buying tickets.

Which of these shows how to calculate the total cost, in pounds?

Tick **one**.

number of tickets × 3 + 24 ☐

number of tickets × 24 + 3 ☐

number of tickets + 3 × 24 ☐

number of tickets + 24 × 3 ☐

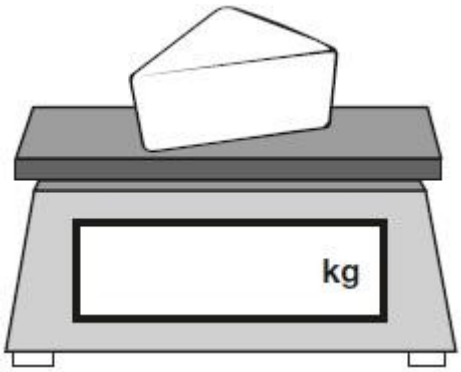
1 mark

Q5.

Amina is shopping.

She says,

Write one-quarter on the scales as a decimal.



1 mark

The cheese costs £1.35

Amina pays with a £2 coin.

How much change should Amina get?

1 mark

Mark schemes

Q1.

25

[1]

Q2.

Award **TWO** marks for the correct answer of 3.75

If the answer is incorrect, award **ONE** mark for evidence of an appropriate method, e.g.

- 60 ÷ 4 = 15
- 250 × 15 = 3750
- 3750 ml ÷ 1000 =

OR

- 250 ÷ 4 = 62.5 ml per second
- 62.5 × 60 = 3750
- 3750 ml ÷ 1000 =

OR

- 60 ÷ 4 = 15, so there are 15 lots of 4 seconds in 1 minute so there are 15 bottles per minute.
- There are 4 bottles in 1 litre
- 15 ÷ 4 =

*Accept for **TWO** marks, 3,750 ml for final answer in working and the answer box blank **OR** 3,750 in the answer box where the litres has been replaced with millilitres.*

*Accept for **ONE** mark 3,750 litres (l) in the answer box **OR** the final answer in working and answer box blank.*

*Answer need not be obtained for the award of **ONE** mark.*

Up to 2m

[2]

Q3.

Both symbols correct, as shown:

$\frac{7}{10}$ [>] 0.07

$\frac{23}{1000}$ [<] 0.23

[1]

Q4.

Second box only ticked correctly, as shown:

number of tickets × 3 + 24	
number of tickets × 24 + 3	✓
number of tickets + 3 × 24	
number of tickets + 24 × 3	

Accept alternative unambiguous positive indication of the correct answer, e.g. Y.

[1]

Q5.

(a) 0.25

Do not *accept* $\frac{1}{4}$ *or any other fraction*

1

(b) 65(p) **OR** (£)0.65

1

[2]