

Friday 5th June - rapid reasoning

- Q1** Two decimal numbers add together to equal 1.
One of the numbers is 0.007.

What is the other number?

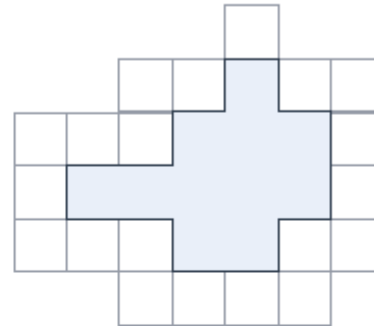
1 mark

- Q2** Pineapples are delivered to supermarkets in trays of 14.
Save-a-lot supermarket ordered 462 pineapples.

How many trays of pineapples will they receive?

pineapples

- Q3** Here is a set of squares around a shaded space.



What is the area of the shaded space?

squares

1 mark

Q1

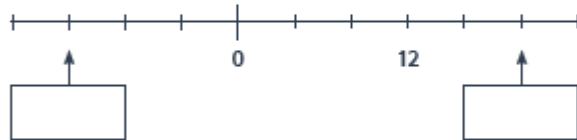
Write in the missing digits.

$$223 \times \square 7 = 14,94 \square$$

1 mark**Q2**

Here is part of a number line.

Fill in the missing boxes.



2 marks**Q3**

What is 686 minutes in hours and minutes?

 hours and minutes

1 mark

Q1 Two decimal numbers add together to make 2.5.

One number is 1.04.

What is the other number?

1 mark

Q2 Three prime numbers multiply together to make 385.

Complete the missing numbers.

$$\square \times \square \times \square = 385$$

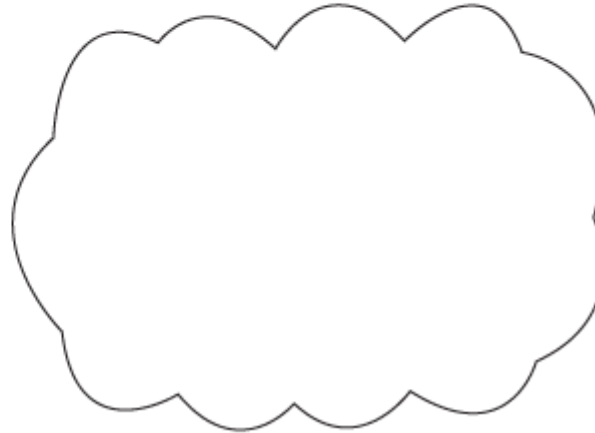
1 mark

Q3 Lily says, “to convert any fraction to a decimal, you just divide the numerator by 10.”

For example, $\frac{3}{10} = 0.3$ as $3 \div 10 = 0.3$.

Lily is not correct.

Explain why Lily is not correct.



1 mark

Q1

Each coach from Raven Coaches seats 45 people.

Key Stage 2 at Bayview Primary is going on a trip.

There are 240 children in Key Stage 2.
For every 10 children, one adult must go on the trip.

How many coaches does Bayview Primary need to book?

coaches

3 marks

Q2

Place these numbers in order, starting with the smallest.

499,999 98,483 564,854 578,843 564,843

1 mark

Q3

Two decimal numbers add together to make 3.05.

One number is 1.003.

What is the other number?

1 mark

Q1 Leah and Gracie each buy a meal from a fast food restaurant.

Leah gets 5p change from £4.00.

Gracie gets £6.25 change from £10.00.

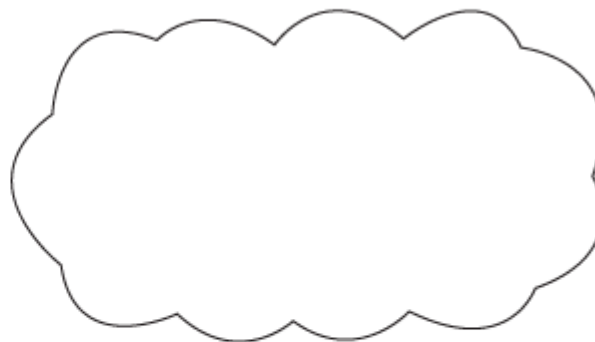
How much more does Leah pay than Gracie?



2 marks

Q2 Rose knows that $86 \times 4 = 344$.

Explain how she can use this information to find the answer 186×4 .



1 mark

Q3 Complete this table.

Number	Rounded to the nearest whole number
5.5	
6.49	
5.099	
3.94	

2 marks

