Mathematics

Reasoning: Set 1 Test A

Name	
Date	

/ 23
total marks

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Name: Date:

Maths Reasoning: Set 1 Test A

1. Continue these sequences.

1 mark

a)

24	32	40	48			

1 mark

b)

350	300	250	200			

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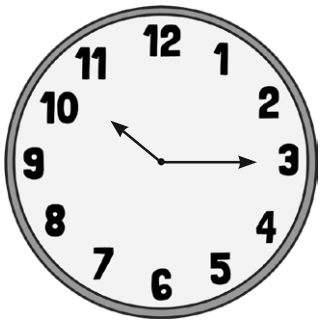
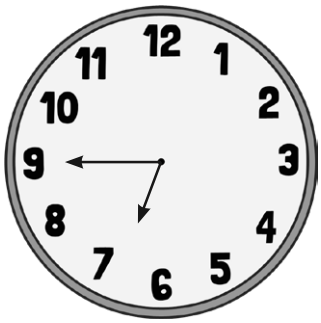
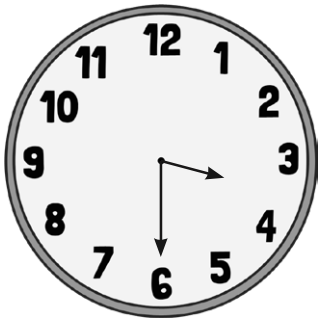
2. Match the following 24-hour times to the clocks.



15:30



22:15



18:45

1 mark

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3. Write a number sentence to compare these two numbers, writing the numbers in numerals and using either =, < or >.

three hundred and seventeen

three hundred and seventy two

2 marks

4. Measure the length of this line in centimetres.

cm

1 mark

5. Here are some digit cards:

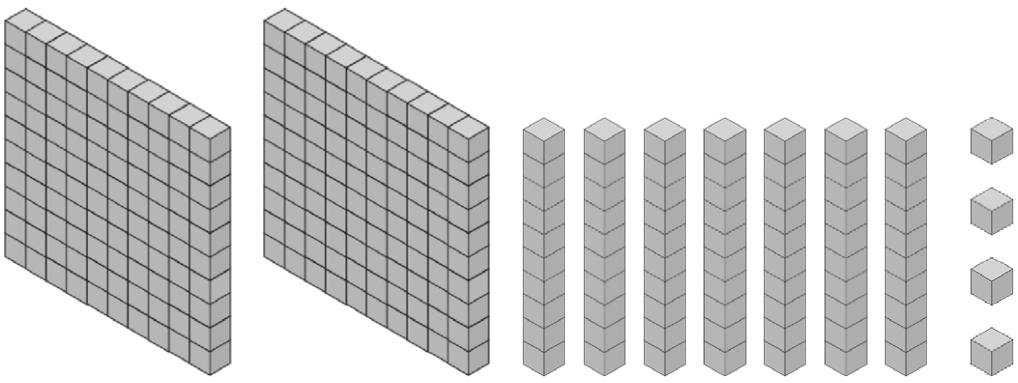
Use each digit card once to complete the following:

6 x ☐ = ☐ x ☐

2 marks

6.

a) Write the number represented by these blocks, sticks and cubes.



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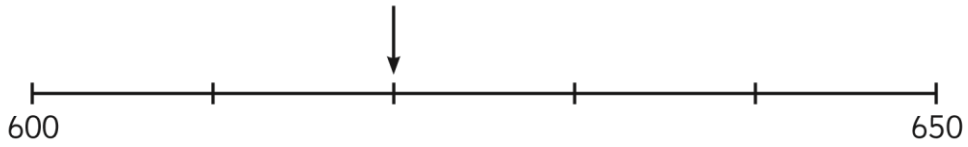
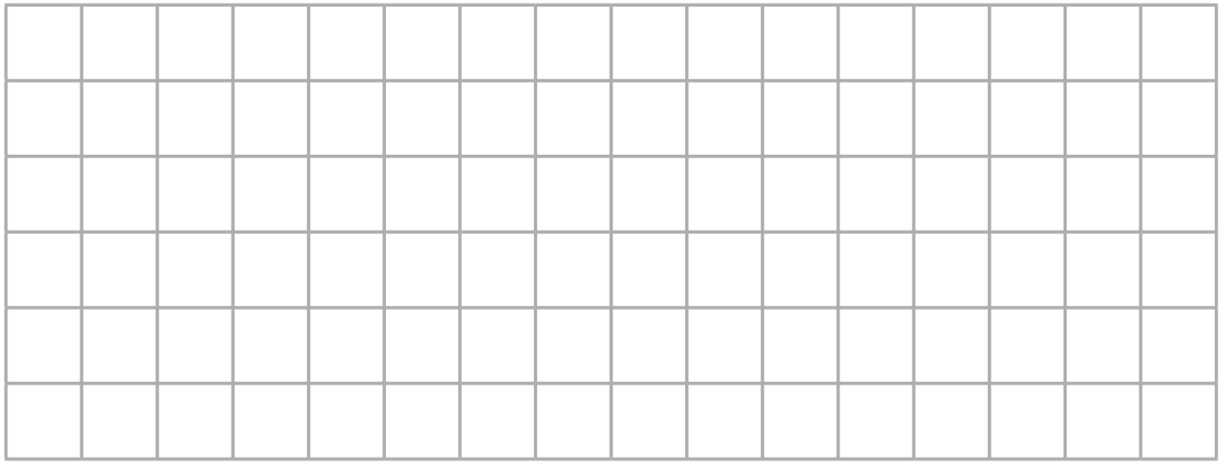
b) What number is represented by the arrow on this number line?



1 mark

7. Draw a rectangle and a right-angled triangle on this grid.



2 marks

8. Class One decided to find out the favourite fruit of their class. They recorded the result in this pictogram.

Banana	● ● ● ● ● ●
Apple	● ● ● ● ◗
Orange	● ● ● ◗
Grapes	● ●

Key

● = 2 children

a) How many more children chose banana as a favourite fruit than apples?

1 mark

b) How many children took part in the survey?

1 mark

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9. Order the following fractions from smallest to largest.

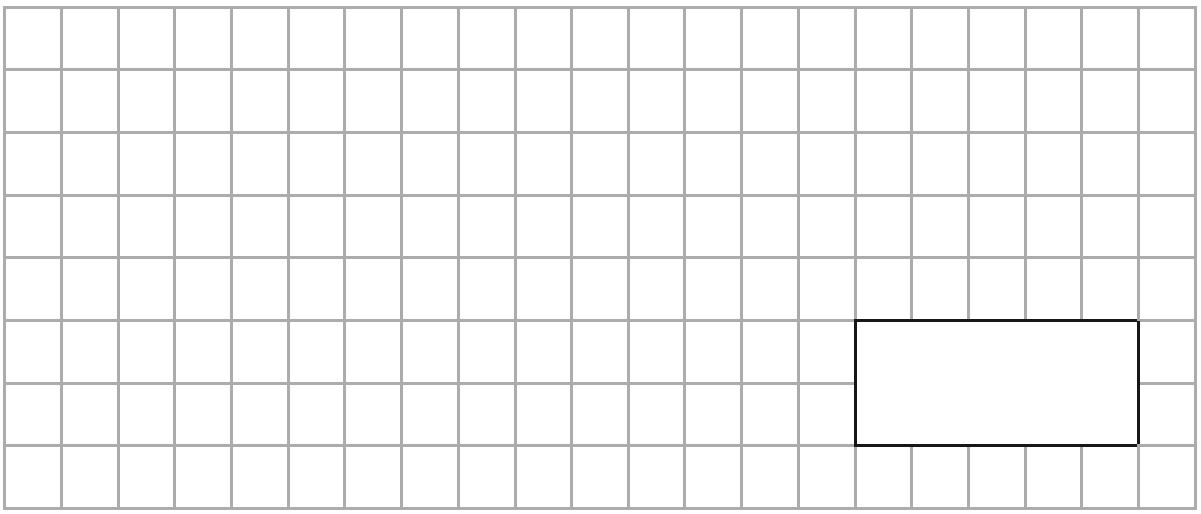
$\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{6}$

smallest largest

1 mark

10. A school buys some tennis sets. Each set has 2 racquets and 5 tennis balls. The school buys enough sets to have 10 racquets.

How many tennis balls will be in the sets?



2 marks

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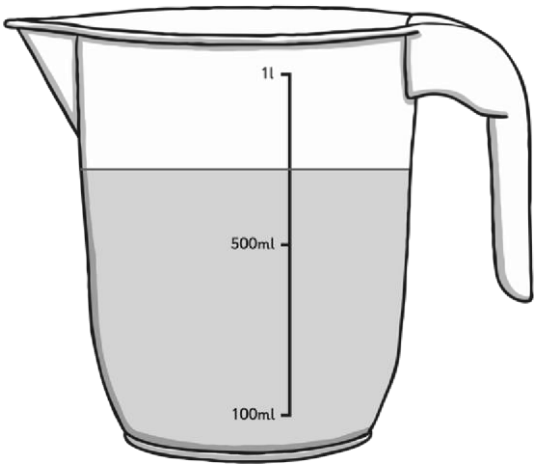
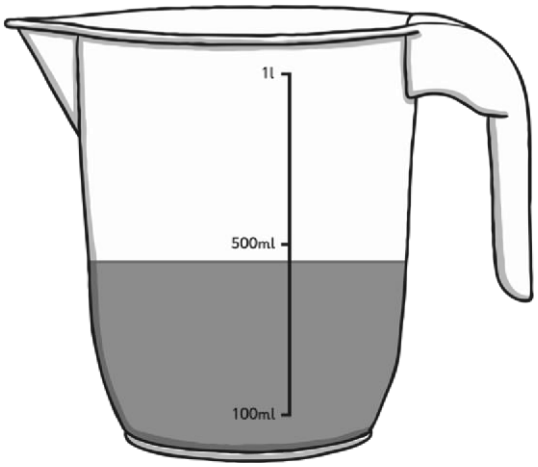
11. Here are 2 jugs of juice. How much more orange juice is there than blackcurrant juice?





1 mark

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12. Here are 4 fraction cards.

$\frac{1}{8}$ $\frac{3}{8}$ $\frac{4}{8}$ $\frac{5}{8}$

a) Choose 2 cards with a total of one whole.

☐ + ☐ = 1

1 mark

b) Choose 3 cards with a total of one whole.

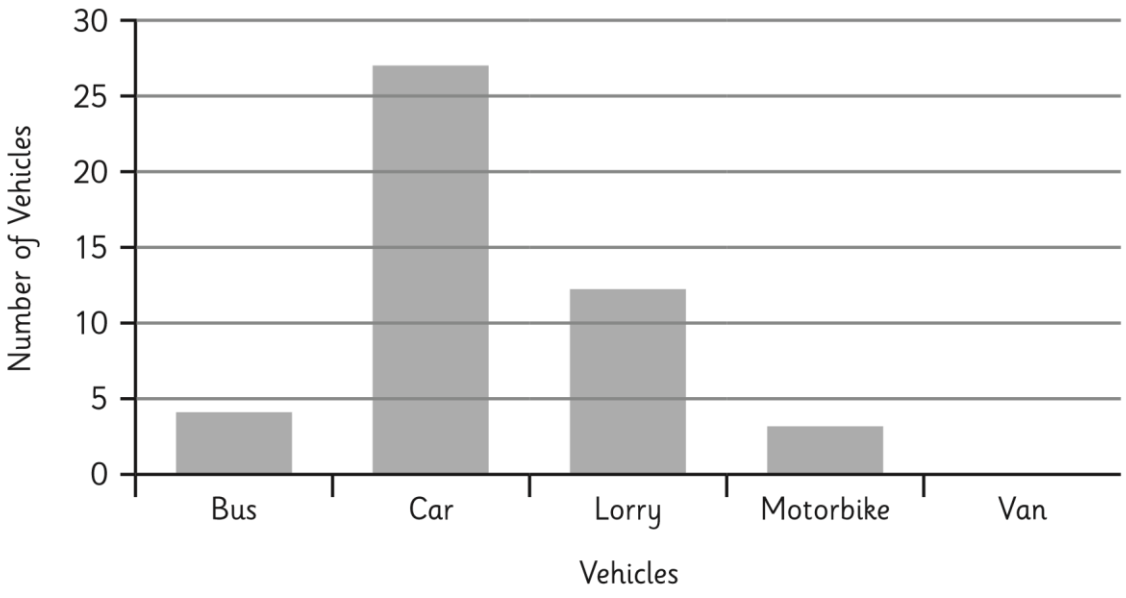
☐ + ☐ + ☐ = 1

1 mark

13. Some children record the number of different vehicles that drive past the school in one hour.

They record the results in a table and draw a bar chart. Complete the table and bar chart.

Vehicle	Number of Vehicles
Bus	4
Car	
Lorry	12
Motorbike	3
Van	14



2 marks

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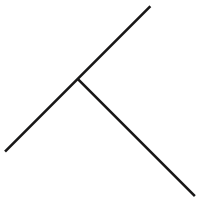
14. Here are 3 pairs of lines. Put a tick under any set that are parallel.



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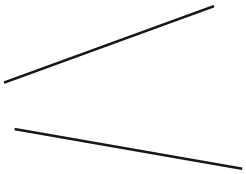

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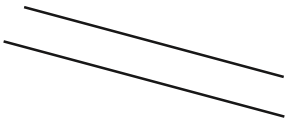

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1 mark

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