



Year 5 Mid-year Reasoning: Test B

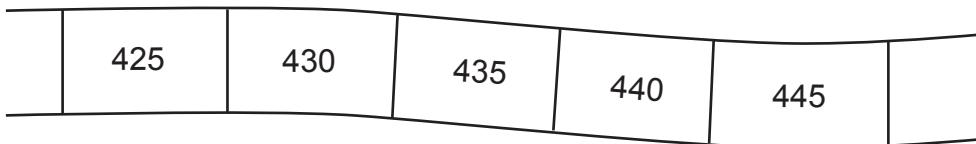
Name	
Class	
Date	

1. Circle the **two** fractions that are less than $\frac{1}{2}$

$$\frac{5}{8} \quad \frac{4}{10} \quad \frac{2}{8} \quad \frac{7}{10}$$

1 mark

2. Here is part of a number sequence. The numbers increase by the same amount each time.



The sequence continues.

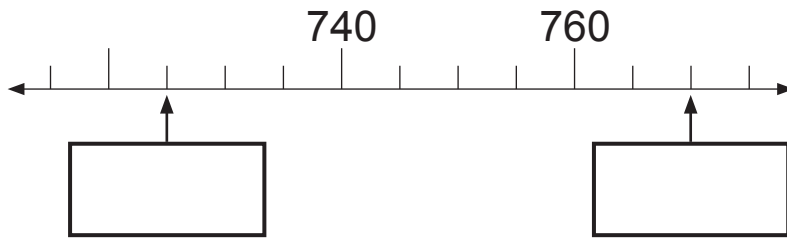
Circle **all** of the numbers below that would appear in the sequence.

750 815 999 1,005 2,552

1 mark

3. Here is part of a number line.

Write the two missing numbers in the boxes.



1 mark

1 mark

4. Circle **three** numbers that add to make a **multiple** of 10

21 22 23 24 25 26 27 28 29

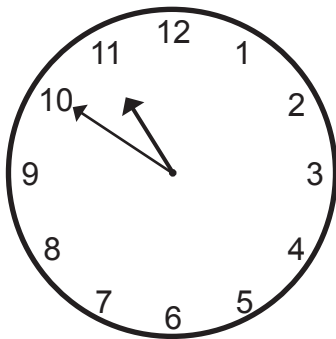
1 mark

5. Write in the missing number.

$$20 \times 10 = 25 \times \boxed{}$$

1 mark

6. Playtime starts at



It finishes at 11:15

How many minutes long is playtime?

minutes

1 mark

7. Match each fraction to the percentage which has the same value.

$$\frac{1}{2}$$

$$\frac{2}{5}$$

$$\frac{3}{10}$$

$$\frac{20}{25}$$

80%

50%

10%

20%

30%

40%

2 marks

9. It is estimated that the population of a town will increase by **10,000** every year.
In **2015** the population of the town was **236,000**

What will the population of the town be in **2021**?

1 mark

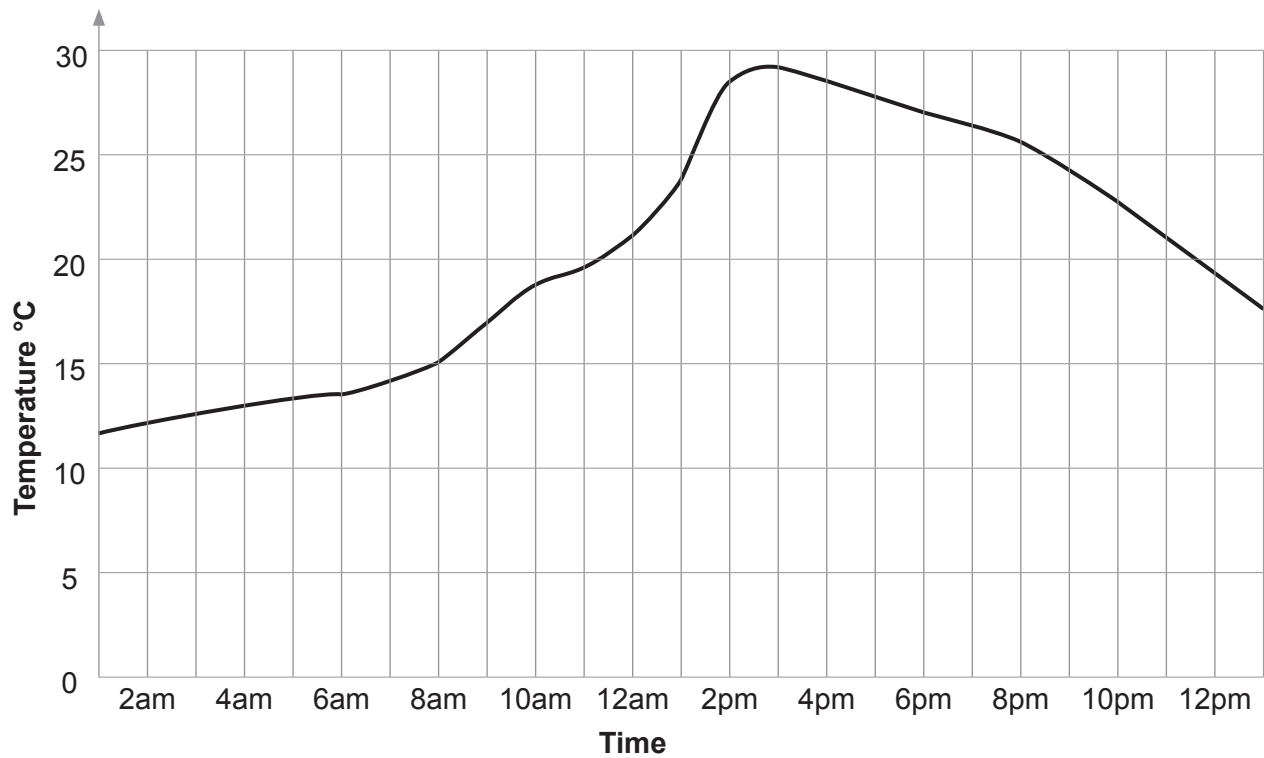
10. Complete the equivalent fractions.

$$\frac{\square}{6} = \frac{2}{3} = \frac{6}{\square}$$

1 mark

1 mark

11. The line graph below shows the temperature on the hottest day of the year in 1994.



What was the temperature at 4 am?

 °C

1 mark

How much did the temperature increase between 2 am and 2 pm?

 °C

1 mark

12. Use the table to work out the approximate equivalents.

1 inch is about 2.5 cm
1 pint is about 570 ml
1 pound is about 450 g

Circle the correct answers.

10 inches is about...

2.5 mm

25 mm

250 mm

2500 mm

10 pints is about...

5.7 litres

57 litres

57 ml

5.7 ml

10 pounds is about...

0.45 kg

4.5 kg

45 kg

450 kg

2 marks

13. A family eats $\frac{3}{5}$ of a loaf of bread every day.

How many loaves of bread will they eat in 10 days?

loaves

1 mark