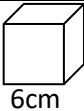
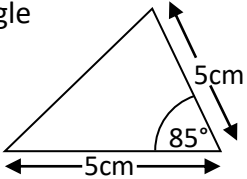

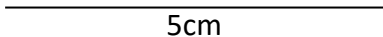


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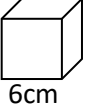
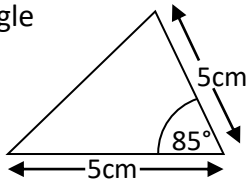

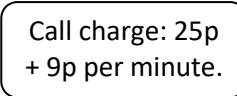
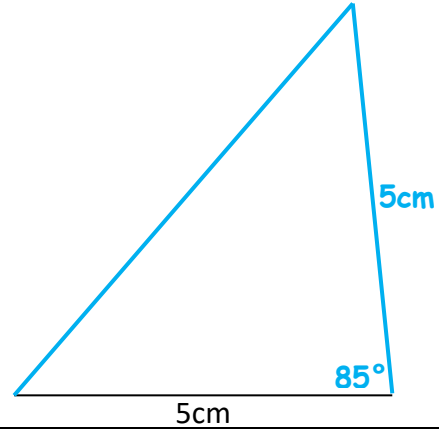
Class/Group: _____

A: Place Value, Add, Subtract, Multiply and Divide		B: Fractions, Ratio, Proportion and Algebra		C: Measure and Geometry	
1. Write five million, seventy one thousand, and eighty four in digits.	6:1	11. Which is the largest fraction? $\frac{1}{2}$, $\frac{3}{8}$ or $\frac{7}{16}$	6:7	21. How many kilometres are approximately equal to 10 miles ?	6:18
2. What is the value of the 5 in this number? 3,954,682	6:1	12. $\frac{2}{3} - \frac{4}{7} =$	6:8	22. Give two possible areas of a rectangle with a perimeter of 10cm.	6:20
3. Round 4.953 to 2 decimal places.	6:1	13. Simplify your answer. $\frac{5}{6} \times \frac{4}{9} =$	6:9	23. Write a formula to show how to find the area of a triangle.	6:21
4. Write the smallest possible crowd. Attendance: 8,200 (to the nearest hundred)	6:2	14. $57,389 \div 1000$	6:10	24. Calculate the volume of a cube with a 6cm side length. 	6:22
5. $4,313 \times 11$	6:3	15. 9.42×4	6:11	25. Draw this triangle accurately below: Use a ruler and a protractor. 	6:23
6. $784 \div 16$	6:3	16. Write this percentage as a fraction and a decimal . 	6:12		
7. Which is a common multiple of 12 and 15? 24 30 60 75 84	6:4	17. Find 40% of 360.	6:13		
8. Which factor of 49 is also a prime number ?	6:4	18. In a class of 35 pupils, $\frac{4}{7}$ are girls. How many boys are there?	6:14		
9. $(12 - 9) \times (9 + 7)$	6:5	19. How much will a 7 minute call cost? Call charge: 25p + 9p per minute.	6:15		
10. I have £10. I buy 2 coffees at £1.73 each. How much do I have left?	6:6	20. What is the 10th term of this sequence? 2, 8, 14, 20, 26, ...	6:16		
Total (A)		Total (B)		Total (C)	
Test Total (A+B+C)		R (0-9)	Y (10-19)	G (20-25)	

Name: _____

Date: _____

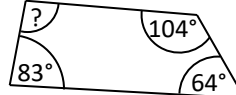
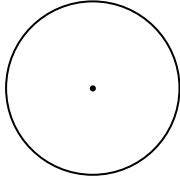
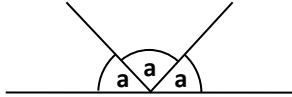
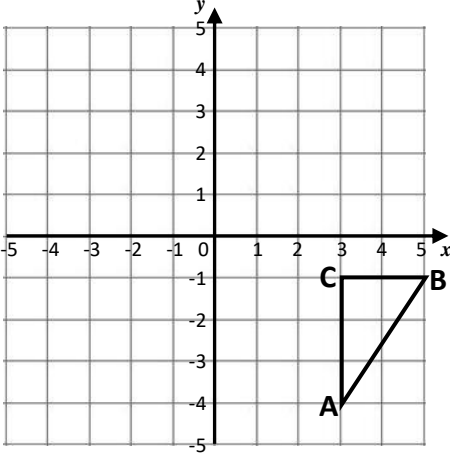
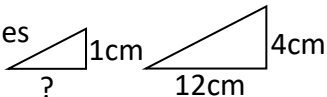
Class/Group: _____

A: Place Value, Add, Subtract, Multiply and Divide		B: Fractions, Ratio, Proportion and Algebra		C: Measure and Geometry	
1. Write five million, seventy one thousand, and eighty four in digits.	^{6:1} 5,071,084	11. Which is the largest fraction? $\frac{1}{2}$, $\frac{3}{8}$ or $\frac{7}{16}$	^{6:7} $\frac{1}{2}$	21. How many kilometres are approximately equal to 10 miles ?	^{6:18} 16
2. What is the value of the 5 in this number? 3,954,682	^{6:1} 50,000	12. $\frac{2}{3} - \frac{4}{7} =$	^{6:8} $\frac{2}{21}$	22. Give two possible areas of a rectangle with a perimeter of 10cm.	^{6:20} 4cm², 6cm²
3. Round 4.953 to 2 decimal places.	^{6:1} 4.95	13. Simplify your answer. $\frac{5}{6} \times \frac{4}{9} =$	^{6:9} $\frac{10}{27}$	23. Write a formula to show how to find the area of a triangle.	^{6:21} $\frac{1}{2} b \times h$
4. Write the smallest possible crowd. Attendance: 8,200 (to the nearest hundred)	^{6:2} 8,150	14. $57,389 \div 1000$	^{6:10} 57.389	24. Calculate the volume of a cube with a 6cm side length. 	^{6:22} 216
5. $4,313 \times 11$	^{6:3} 47,443	15. 9.42×4	^{6:11} 37.68	25. Draw this triangle accurately below: Use a ruler and a protractor. 	^{6:23} Shape drawn with 85° (+/- 2°) angle and 5cm (+/- 2mm) side length
6. $784 \div 16$	^{6:3} 49	16. Write this percentage as a fraction and a decimal . 	^{6:12} $\frac{9}{20}$ 0.45		
7. Which is a common multiple of 12 and 15? 24 30 60 75 84	^{6:4} 60	17. Find 40% of 360.	^{6:13} 144		
8. Which factor of 49 is also a prime number ?	^{6:4} 7	18. In a class of 35 pupils, $\frac{4}{7}$ are girls. How many boys are there?	^{6:14} 15		
9. $(12 - 9) \times (9 + 7)$	^{6:5} 48	19. How much will a 7 minute call cost? 	^{6:15} 88p		
10. I have £10. I buy 2 coffees at £1.73 each. How much do I have left?	^{6:6} £6.54	20. What is the 10th term of this sequence? 2, 8, 14, 20, 26, ...	^{6:16} 56		
Total (A)		Total (B)		Total (C)	
Test Total (A+B+C)		R (0-9)	Y (10-19)	G (20-25)	

Name: _____

Date: _____

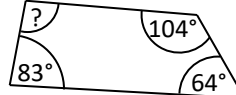
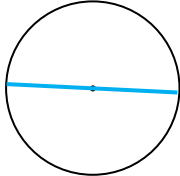
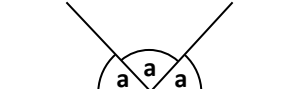
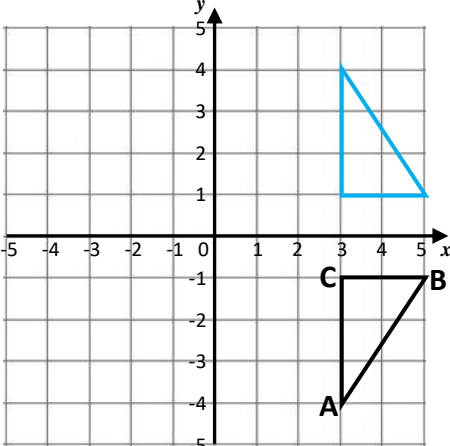
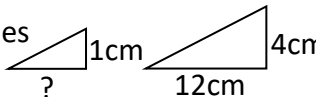
Class/Group: _____

A: Place Value, Add, Subtract, Multiply and Divide		B: Fractions, Ratio, Proportion and Algebra		C: Geometry, Position and Direction	
1. Write in words: 2,134,005	6:1	11. Simplify this fraction fully: $\frac{9}{36}$	6:7	21. Find the missing angle. 	6:24
2. What is the value of the 3 in this number? 3,954,682	6:1	12. $1\frac{5}{6} + \frac{1}{4} =$	6:8	22. On the circle draw a line to label the diameter . 	6:25
3. Round 8,523,912 to the nearest ten thousand .	6:1	13. $\frac{2}{8} \div 4 =$	6:9		
4. The temperature rises from -7°C to 9°C . How many degrees has it risen?	6:2	14. What is the value of the 8 in this number: 64.381	6:10	23. Find the value of a . 	6:26
5. $2,355 \times 16$	6:3	15. Give your answer as a decimal: $43.5 \div 6$	6:11	24. What are the co-ordinates of A ? 	6:27
6. What is the remainder? $3,300 \div 19$	6:3	16. Write this fraction as a decimal and a percentage . $\frac{3}{5}$	6:12		
7. Write two common factors of 30 and 45.	6:4	17. Find 20% of 180.	6:13		
8. There are four prime numbers between 10 and 20. What are they?	6:4	18. These shapes are similar . 	6:14		
9. $85 - 8 \times 7$	6:5	19. 1 bag has s sweets. I get 2 bags. Write an expression for no. of sweets.	6:15		
10. What is my change if I buy as many $\text{£}5.98$ footballs as I can with $\text{£}30$?	6:6	20. Which two numbers add together to make 25 and have a difference of 1?	6:17	25. Reflect triangle ABC in the x-axis .	6:28
Total (A)		Total (B)		Total (C)	
Test Total (A+B+C)		R (0-9)		Y (10-19)	
				G (20-25)	

Name: _____

Date: _____

Class/Group: _____

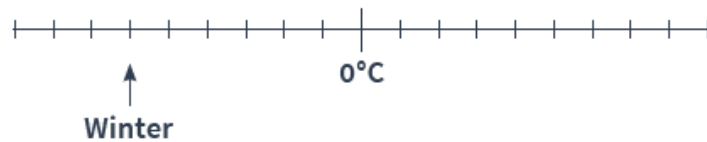
A: Place Value, Add, Subtract, Multiply and Divide		B: Fractions, Ratio, Proportion and Algebra		C: Geometry, Position and Direction	
1. Write in words: 2,134,005	^{6:1} Two million, one hundred and thirty four thousand and five	11. Simplify this fraction fully: $\frac{9}{36}$	^{6:7} $\frac{1}{4}$	21. Find the missing angle. 	^{6:24} 109°
2. What is the value of the 3 in this number? 3,954,682	^{6:1} 3,000,000 (million)	12. $1\frac{5}{6} + \frac{1}{4} =$	^{6:8} $2\frac{1}{12}$	22. On the circle draw a line to label the diameter . 	^{6:25} Line drawn
3. Round 8,523,912 to the nearest ten thousand .	^{6:1} 8,520,000	13. $\frac{2}{8} \div 4 =$	^{6:9} $\frac{1}{16}$	23. Find the value of a . 	^{6:26} 60°
4. The temperature rises from -7°C to 9°C. How many degrees has it risen?	^{6:2} 16°C	14. What is the value of the 8 in this number: 64.381	^{6:10} $\frac{8}{100}$	24. What are the co-ordinates of A ? 	^{6:27} (3, -4)
5. $2,355 \times 16$	^{6:3} 37,680	15. Give your answer as a decimal: $43.5 \div 6$	^{6:11} 7.25	^{6:28} Shape drawn	
6. What is the remainder? $3,300 \div 19$	^{6:3} 13	16. Write this fraction as a decimal and a percentage . $\frac{3}{5}$	^{6:12} 0.6, 60%		
7. Write two common factors of 30 and 45.	^{6:4} 1, 5, 15	17. Find 20% of 180.	^{6:13} 36		
8. There are four prime numbers between 10 and 20. What are they?	^{6:4} 11, 13, 17, 19	18. These shapes are similar . 	^{6:14} 3cm		
9. $85 - 8 \times 7$	^{6:5} 29	19. 1 bag has s sweets. I get 2 bags. Write an expression for no. of sweets.	^{6:15} 2 x s (or 2s)		
10. What is my change if I buy as many £5.98 footballs as I can with £30?	^{6:6} 10p	20. Which two numbers add together to make 25 and have a difference of 1?	^{6:17} 12 and 13		
Total (A)		Total (B)		Total (C)	
Test Total (A+B+C)		R (0-9)		Y (10-19)	
				G (20-25)	

Q1 Match the decimal fractions to their fraction equivalents.

$\frac{1}{5}$	0.3
$\frac{30}{100}$	0.2
$\frac{1}{4}$	0.6
$\frac{6}{10}$	0.72
$\frac{72}{100}$	0.25

2 marks

Q2 This temperature scale shows the average temperature in a city.



a Look at the arrow. What is the average temperature in winter?

 °C

1 mark

The average temperature in summer is 23°C higher than winter.

b What is the average temperature in summer?

 °C

1 mark

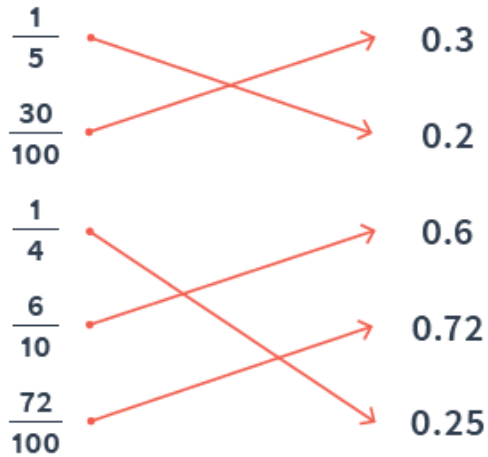
Q3 Place these lengths in order, starting with the longest.

3.5m 310,000cm 340cm
 320mm 30,000mm 3km

Longest

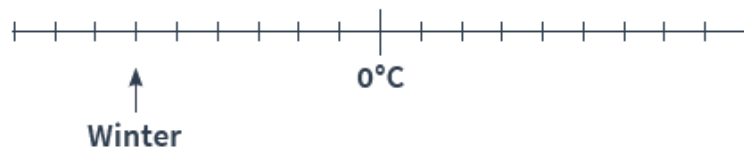
1 mark

Q1 Match the decimal fractions to their fraction equivalents.



2 marks

Q2 This temperature scale shows the average temperature in a city.



a Look at the arrow. What is the average temperature in winter?

-6 °C

The average temperature in summer is 23°C higher than winter.

b What is the average temperature in summer?

15 °C

Q3 Place these lengths in order, starting with the longest.

- 3.5m
- 310,000cm
- 340cm
- 320mm
- 30,000mm
- 3km

- Longest **310,000cm**

- 3km**

- 30,000mm**

- 3.5m**

- 340cm**

- 320mm**

- Q1** At the start of May, there were 3,043 cans of fizzy orange in the shop. During May,
- 11,392 more cans of fizzy orange were delivered
 - 13,832 cans of fizzy orange were sold.

How many cans of fizzy orange were left in the shop at the end of June?

cans

1 mark

- Q2** Evie eats $\frac{3}{4}$ of a 120g chocolate bar.
Josh eats 70% of a 120g chocolate bar.

Circle the name of the person that eats the most chocolate.

Evie

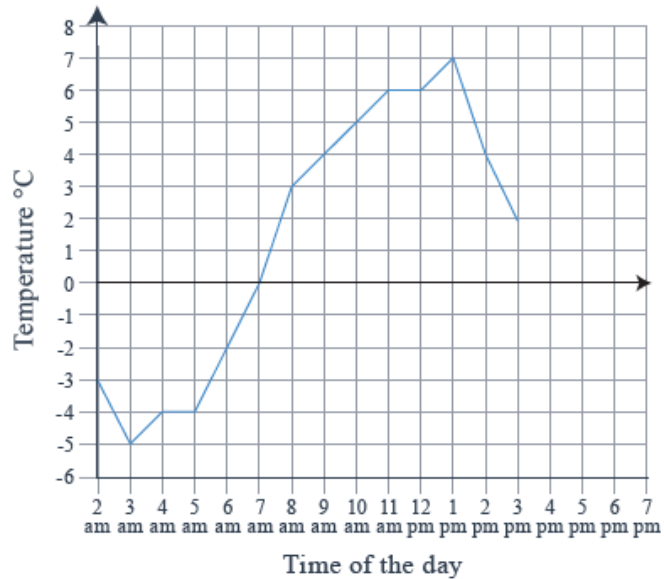
Josh

Explain how you know.

1 mark

Q3 Tallulah records the temperature outside on a cold Saturday in Norwich.

She plots her readings on a line graph.



a What is the difference between the highest and lowest temperature?

 °C

1 mark

b At what times was it 4°C?

1 mark

c The temperature decreases by 4°C from 3pm to 6pm.

At what time(s) was it 4°C?

 °C

1 mark

	Requirement	Mark	Additional guidance
Q1	<p>Award TWO marks for the correct answer of 603.</p> <p>Award ONE mark for evidence of a complete method with no more than one arithmetic error.</p> <p>For example: $3,043 + 11,392 = 14,435$ $14,435 - 13,832 =$ wrong answer.</p>	2	
Q2	<p>Award ONE mark for BOTH the correct identification of 'Evie' AND an explanation that explains why $\frac{3}{4}$ is a larger proportion than 70% for example: $\frac{3}{4}$ is the same as 75%. 75% is larger than 70% OR $\frac{3}{4}$ of 120 = 90, 70% of 120 = 84.</p>	1	<p>Do NOT accept vague explanations, including explanations that compare the proportions without explanation.</p> <p>For example, do NOT accept either: $\frac{3}{4}$ is bigger than 75% OR 70% is smaller than $\frac{3}{4}$.</p>
Q3a	12°C	1	Do not accept -12.
Q3b	9am and 2pm	1	BOTH must be present for the award of the mark. AM/PM must be present or times given in 24 hour clock format (i.e 09:00 and 14:00).
Q3c	-2°C	1	Do not accept 2.

Q1 Match the decimal fractions to their fraction equivalents.

$\frac{35}{100}$	0.6
$\frac{22}{100}$	0.35
$\frac{3}{4}$	0.75
$\frac{3}{5}$	0.8
$\frac{80}{100}$	0.22

2 marks

Q2 Tallulah is thinking of a number.
She doubles it.
She adds 12.
She divides her answer by 4 and subtracts 3.
Her answer is 18.

What was the number that Tallulah started with?

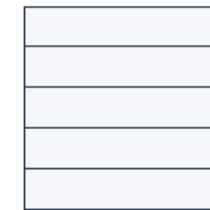
2 marks

Q3 The area of this square is 100cm².



Not to scale

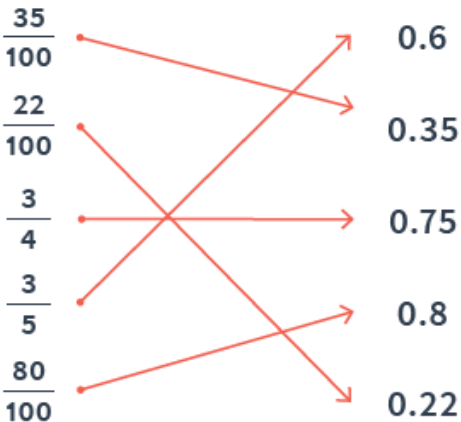
The square is split into five identical rectangles.



Not to scale

What is the perimeter of one of the rectangles? Don't forget your units.

2 marks

	Requirement	Mark	Additional guidance
Q1a	<p>Award TWO marks for all five correctly matched:</p>  <p>Award ONE mark for three correctly matched.</p>	2	
Q2	<p>Award TWO marks for the correct answer of 36.</p> <p>Award ONE mark for a complete correct method, with no more than one arithmetic error.</p>	2	
Q3	<p>Award TWO marks for the correct answer of: $4\frac{1}{2}$ or $4\frac{2}{4}$ (or any equivalent).</p> <p>Award ONE mark for the answer of $\frac{18}{4}$.</p>	2	<p>Correct units must be given for the award of TWO marks.</p> <p>Answer of 24cm² would be credited with ONE mark.</p>

- Q1** Josh posts four large letters.
The postage costs the same for each letter.
He pays with a £20 note.
His change is £14.28.

What is the cost of posting one letter?
Don't forget to add units.

2 marks

- Q2** Here are some digit cards.



Write all four digit numbers above 6,500
that can be made using these digit cards.

2 marks

Q3 Here is a timetable showing the bus times from Great Yarmouth to Norwich.

Great Yarmouth	9.35	9.55	10.15	10.35
Acle	9.45	10.05	10.25	10.45
Blofield	10.01	10.21	10.41	11.01
Thorpe	10.23	10.43	11.03	11.23
Norwich	10.55	11.15	11.35	11.55

a How many minutes does the bus take to get from Great Yarmouth to Thorpe?

1 mark

Rachel needs to be in Norwich for 11:30.

b What is the latest time she can leave Blofield?

1 mark

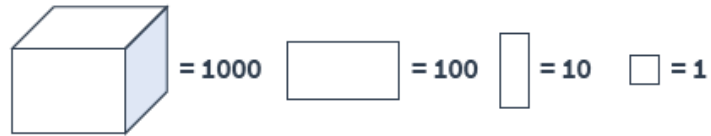
One day, the 10:35 bus from Great Yarmouth is running 18 minutes late.

c What time will the bus get to Acle?

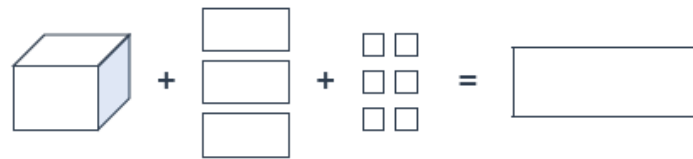
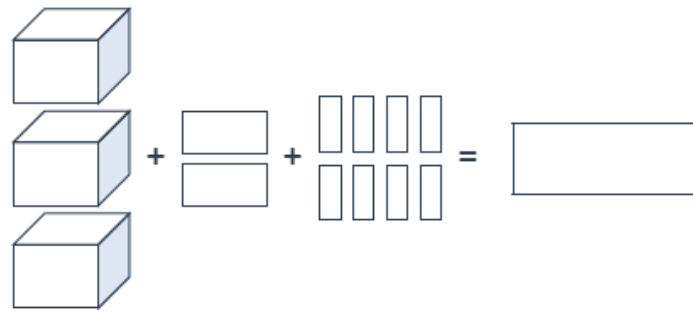
1 mark

	Requirement	Mark	Additional guidance										
Q1	<p>Award TWO marks for the correct answer of £1.43.</p> <p>Award ONE mark for:</p> <ul style="list-style-type: none"> • 1.43 or 1.43p <p>OR</p> <ul style="list-style-type: none"> • a complete method, with up to one arithmetic error • e.g. $£20 - £14.28 = £5.72$ • $£5.72 \div 4 =$ wrong answer. 	2	Correct units must be given for the award of TWO marks.										
Q2	<p>Award TWO marks for ALL ten correct answers, without duplication, as shown below.</p> <table style="width: 100%; text-align: center;"> <tr> <td>6,548</td> <td>6,584</td> <td>6,854</td> <td>6,845</td> <td>8,456</td> </tr> <tr> <td>8,465</td> <td>8,645</td> <td>8,654</td> <td>8,564</td> <td>8,546</td> </tr> </table> <p>Award ONE mark for either:</p> <ul style="list-style-type: none"> a) 10 correct answers and up to two incorrect answers b) 10 correct answers, plus duplication c) Five or more correct answers and NO incorrect answers. 	6,548	6,584	6,854	6,845	8,456	8,465	8,645	8,654	8,564	8,546	2	Answers can be given in any order. Commas are not required for the award of marks.
6,548	6,584	6,854	6,845	8,456									
8,465	8,645	8,654	8,564	8,546									
Q3a	48 minutes	1											
Q3b	10.21	1											
Q3c	11.03	1											

Q1



Complete the value of each diagram.



1 mark

Q2

Circle the TWO prime numbers below.

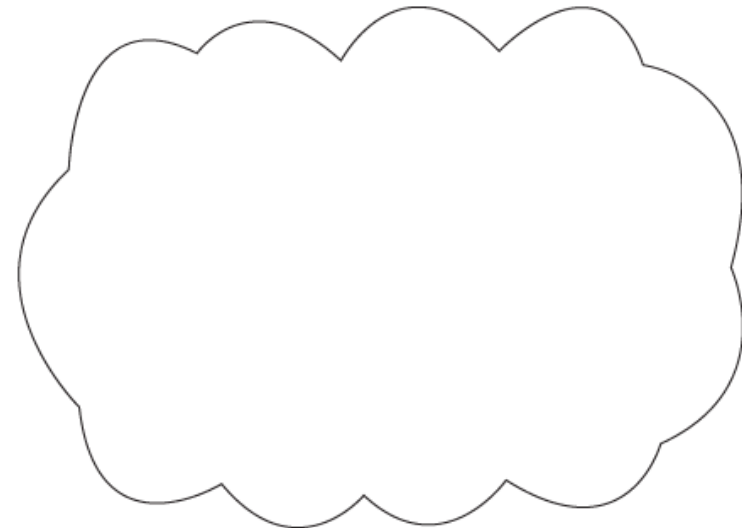
27 37 39 48 89

2 marks

Q3

Milan says “0.25 is smaller than $\frac{2}{5}$.”

Explain why he is correct.



1 mark

	Requirement	Mark	Additional guidance
Q1	Award ONE mark for both: 3,280 AND 1,306	1	
Q2	Award TWO marks for both: 37 AND 89 circled. Award ONE mark for either 37 OR 89 circled with no incorrect answers circled.	2	
Q3	Award ONE mark for an explanation showing that 0.25 is less than $\frac{2}{5}$, e.g. <ul style="list-style-type: none">• 0.25 is 25% and is 40% and 25% is smaller than 40%• 0.25 is $\frac{5}{20} < \frac{8}{20}$• 0.25 is $\frac{1}{4}$ and you need 8 quarters to make 2, but only 5 lots of $\frac{2}{5}$ to make 2• $\frac{2}{5} = 0.4$.	1	Do NOT accept vague or inaccurate explanations, e.g. <ul style="list-style-type: none">• because $\frac{1}{4}$ is bigger than $\frac{2}{5}$• because $\frac{1}{4}$ comes first on a number line.