

PiXL Autumn Transition Package

Year 6

Impact Assessment

MATHEMATICS

Number and Place Value

Name	
Class	

1. Place these numbers in **ascending** order:

75,092 75,902 75,209 75,200 75,029

1 mark

2. **Circle** the number that is closest to **35,000**.

34,894

35,011

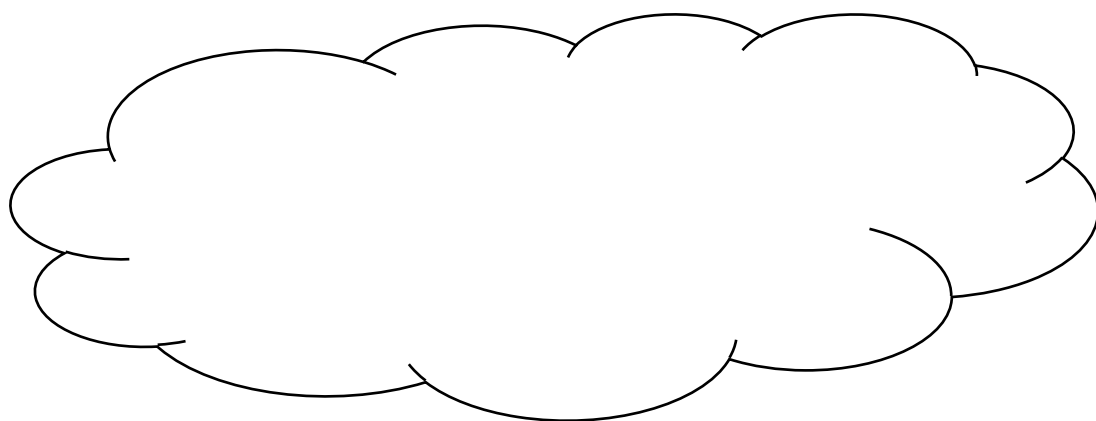
1 mark

3. Complete the statement below by adding $<$, $>$ or $=$

345,090

345,009

Explain which symbol you used and why.



2 marks

4. Round the following numbers to the **nearest 1,000**:

a) 5,678

b) 333,098

1 mark

5. Complete the table by rounding the number in the disc to the given amount.

45,678	
Rounded to the nearest 10	
Rounded to the nearest 100	
Rounded to the nearest 1,000	
Rounded to the nearest 10,000	

2 marks

6. 456,908 rounded to the nearest is 456,900.

1 mark

7. If the sequence below is continued, will 134,000 be reached?

15,000 25,000 35,000...

Explain your answer.

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2 marks

8. Use the digit cards to make the **largest possible** number **between** 85,000 and 86,000.

You may only use each card once.

6	9	8	4	5	
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1 mark

9. What **could** my number be?

This is a 3-digit number.

The digits add up to 6.

It is a **multiple** of 10.

The number in the hundreds' column is **prime**.

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2 marks

10. Write these numbers in **descending** order:

1.5 1.352 1.425 1.305 1.35

1 mark

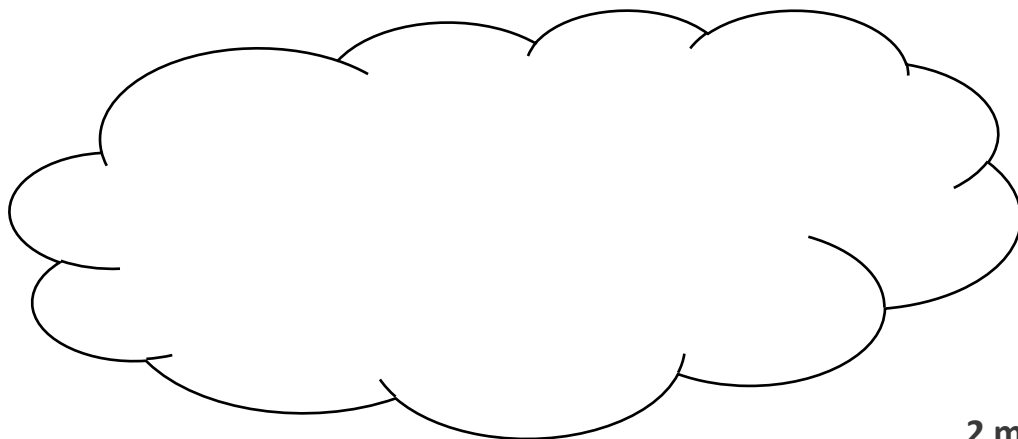
11. Write a number **with 2 decimal places** that is between 3.8 and 3.9.

1 mark

12. Write down a number with **3 decimal places** that lies between 5.23 and 5.24.

Which number is it closer to?

Explain how you know.



2 marks

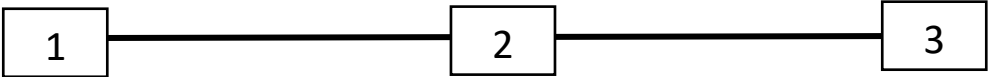
13. The current world record for the men’s 100m is held by Usain Bolt with a time of 9.58 seconds.

What is this rounded to the nearest **tenth of a second**?

1 mark

14. On a number line, which of these numbers would be closest to 2?

1.354 1.921 2.025 2.926



1 mark

15. Complete the table.

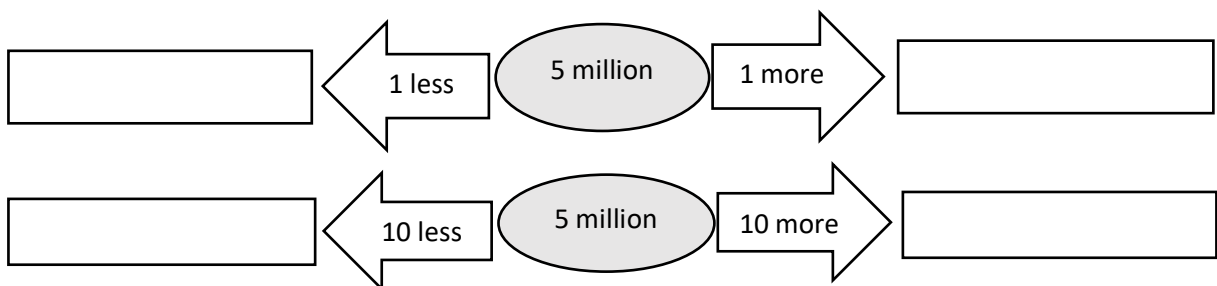
	Rounded to the nearest pound	Rounded to the nearest ten pence
£2.67		
£37.53		
£465.25		

2 marks

16. Write the number forty-three million, twenty thousand and fourteen in figures.

1 mark

17. Write the missing numbers in figures in the boxes.



2 marks

18. The population of Denmark is 5,792,202.

If it **increased** by 10,000, what would the population be?

1 mark