

PiXL Autumn Transition Package

Year 5

Impact Assessment

MATHEMATICS

Number and Place Value

Name	
Class	

1. Complete the sequence:

7, 4, 1, _____, _____, _____

1 mark

2. $7 - 5 - 5 - 5 =$

1 mark

3. Saffie is counting back in steps of 10.

The last number she said was -1.

- What number did she say before -1?

- What number will she say next?

2 marks

4. The temperature in the garden is 10°C at 8pm.

If it drops by 5 degrees every hour, what temperature will it be at midnight?

1 mark

5. Arrange these numbers in **descending** order:

4,093 4,987 4,903 4,299 4,098

1 mark

6. **Circle** the number closest to 7,500:

7,536

7,481

1 mark

7. **Insert** >, < or = to make the statements correct.

One has been done for you.

6,442	<	9,034
2,333		2,400
3,656		2,560
2,060		2,000 + 60

2 marks

8. **Draw lines** to match numbers with the same value as 3,200.

3,200

320 tens
320 hundreds
32 hundreds
32 tens
3,200 ones

2 marks

9. Round each number to the **nearest 10mm**.

82mm =

59mm =

35mm =

1 mark

10. Round each number to the **nearest 100cm**.

208cm =

599cm =

450cm =

1 mark

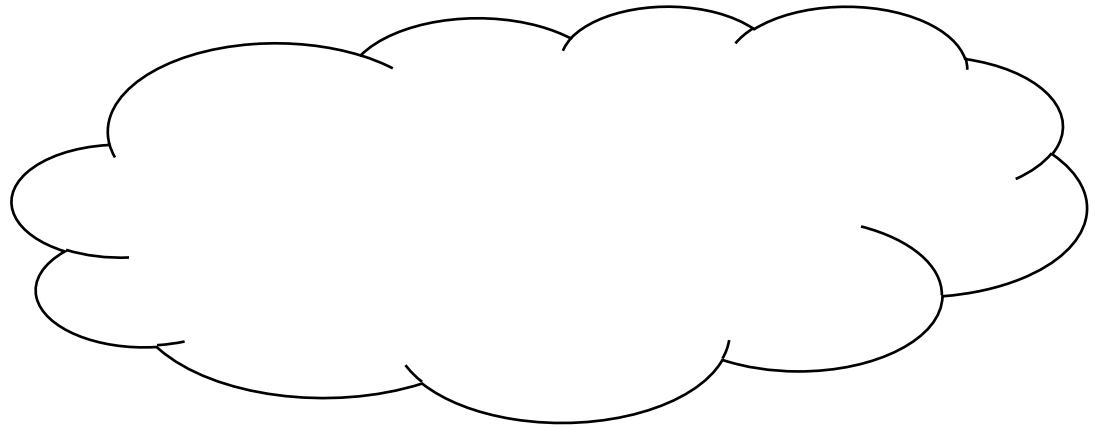
11. Steph ran 3,500 metres.

She said that this was 3km rounded to the nearest 1,000.

Is she correct? Circle yes or no.

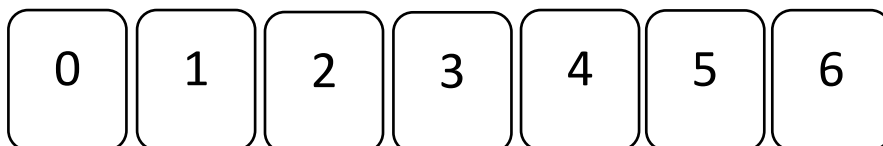
Yes/no

Explain how you know.



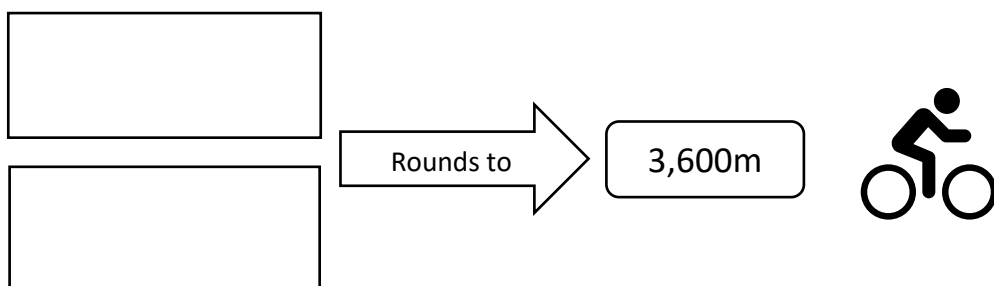
2 marks

12.



Shariz went on a bike ride and cycled **approximately** 3,600m.

Use the digit cards to make **two different 4-digit numbers** which would round to 3,600m when **rounded to the nearest 100**.



2 marks

13. Use the number fact **$6 \times 7 = 42$** to solve these problems:

$60 \times 7 =$

$60 \times 700 =$

1 mark

14. An **equilateral triangle** has a perimeter of 18cm.

What is the total length of 2 sides of the triangle?

 cm

1 mark

15. Tara has 65p. William has **ten times as much** as Tara.

How much money does William have?

 £

1 mark

16. I'm thinking of a **3-digit number**.

The tens digit is **half** the hundreds digit.

What **could** my number be? Write down 2 possibilities.

2 marks

17. **Write in numerals** the number four hundred and twenty thousand, three hundred and twenty-six.

1 mark

18. What is **one less** than 3,289,700?

1 mark

19. What is the **value** of the 3 in the number 2,302,199?

1 mark