

Lesson 1 – Numbers to 10,000 (R)

NC Objective: Read and write numbers to **10,000**

Resources needed:
Manipulatives- Base 10, Place Value counters
Differentiated Worksheets
Teaching Slides

Vocabulary:
Place Value, Concrete Objects, Pictorial Diagrams

Children recap numbers to 10,000. They use concrete materials and diagrams to show representations of numbers.

Key questions:

Can you show me 2,708 in three different ways? What happens if you add 10/100/1,000 to this number? What concrete objects do you prefer to use? Why?

★ Working Towards

★★ Working Within

★★★ Greater Depth

Children use different pictorial images of numbers with a different thousand digit. The pictorial images correspond with the amount of numbers shown.

Children will use different pictorial images of numbers with the same thousand digit. The pictorial images correspond with the amount of numbers shown.

Children have mixed pictorial images for numbers that are similar to each other. They have more answers than pictorial images to match.

Reasoning & Problem Solving

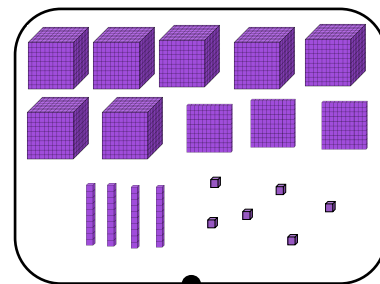
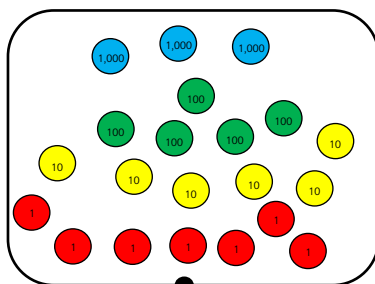
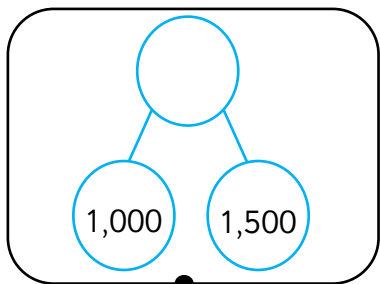
Children reason with simple diagrams. They have a pattern more easily identified as they go up in thousands.

Children reason with slightly more complex partitioning. They have a pattern going up in hundreds.

Children have mixed pictorial images and part wholes split into three ways. They calculate place value counters and the patterns they form.



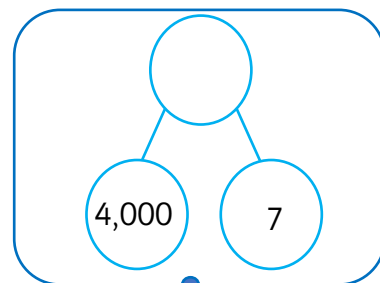
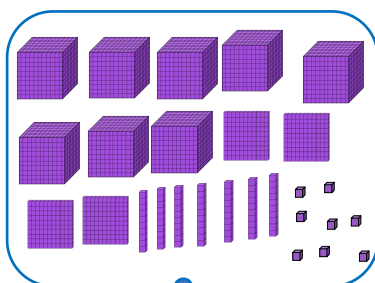
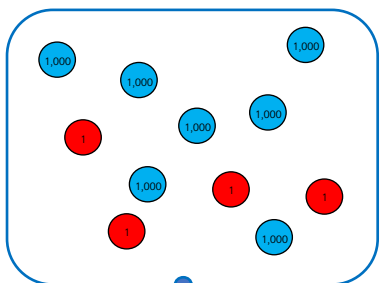
Match the diagram to the number.



3,567

7,346

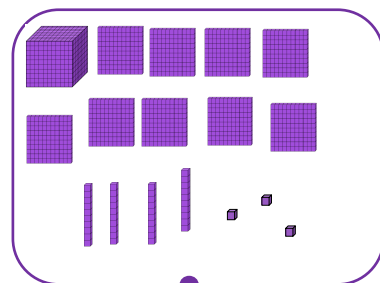
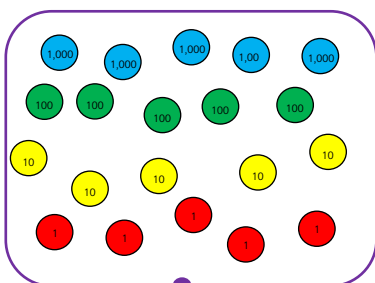
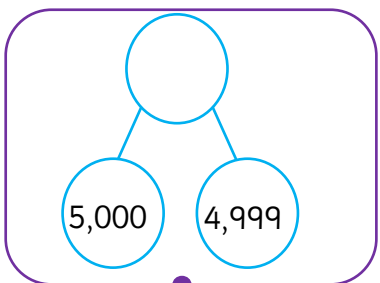
2,500



7,004

4,007

8,478



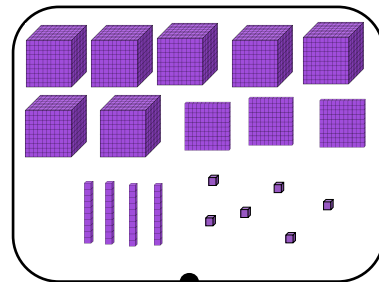
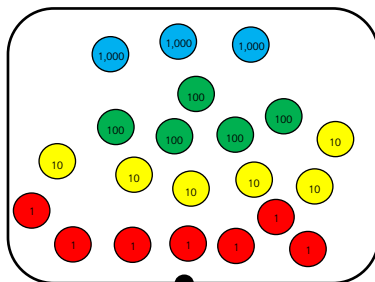
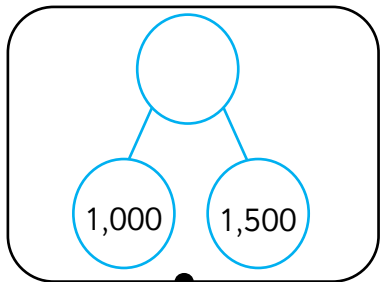
1,943

9,999

5,555



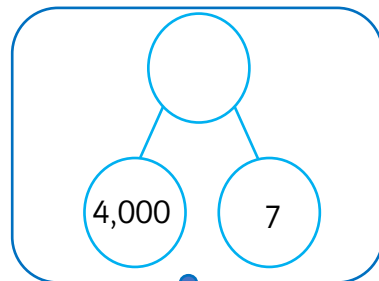
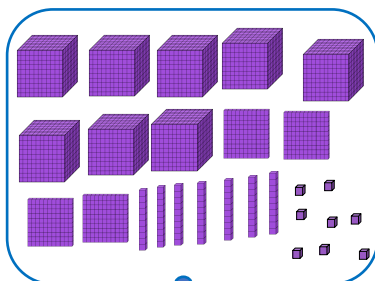
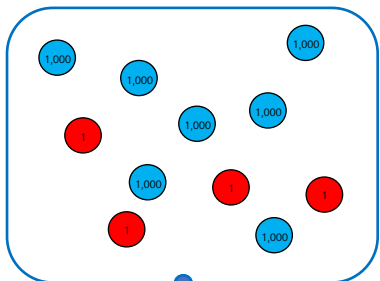
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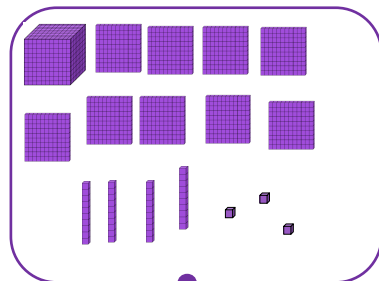
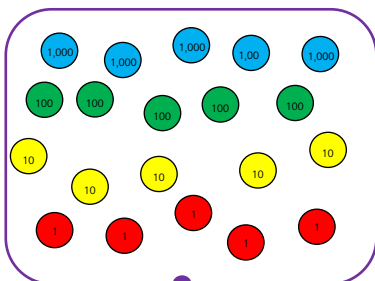
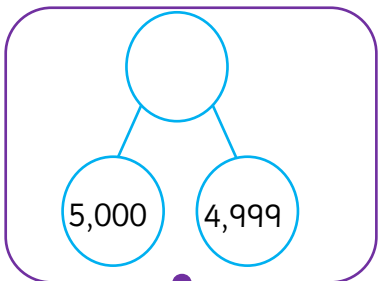
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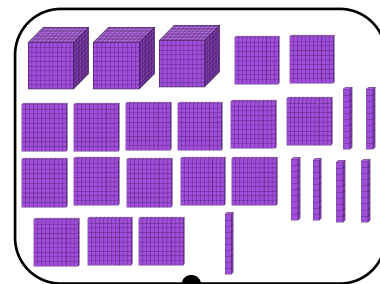
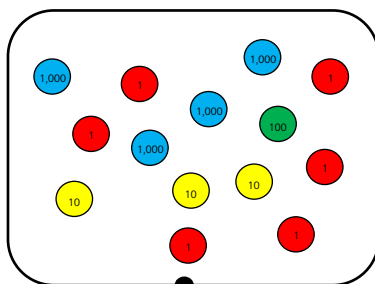
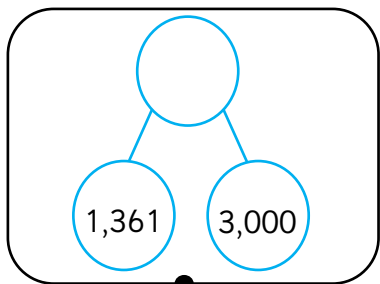
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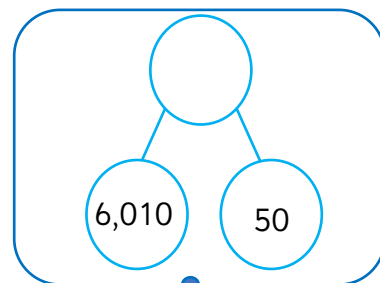
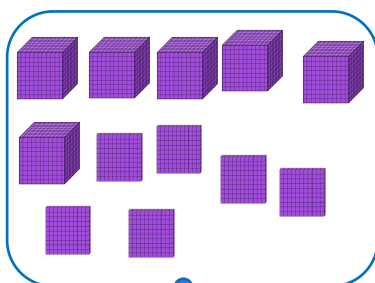
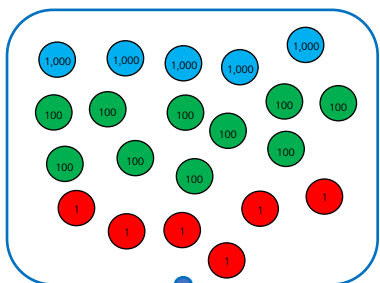
Match the diagram to the number.



4,136

4,670

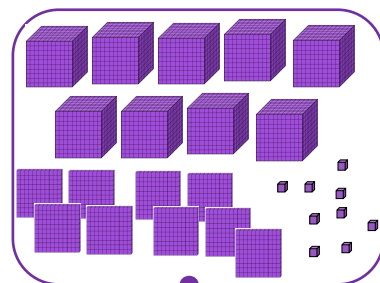
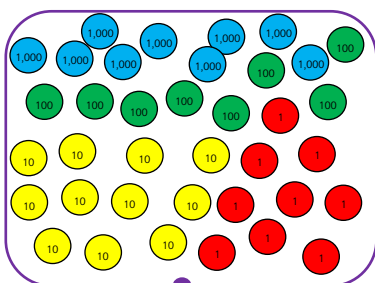
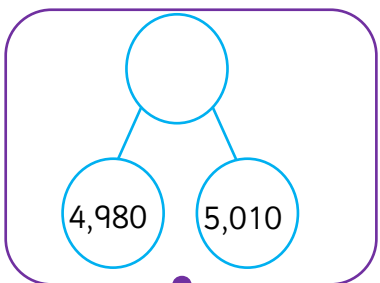
4,361



6,006

6,060

6,600



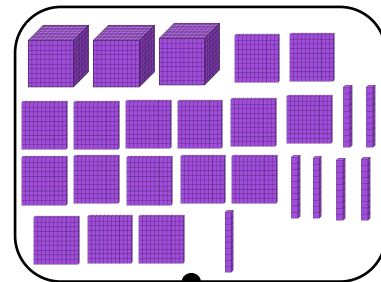
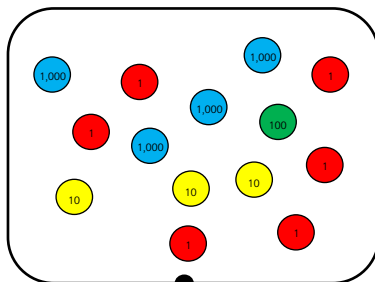
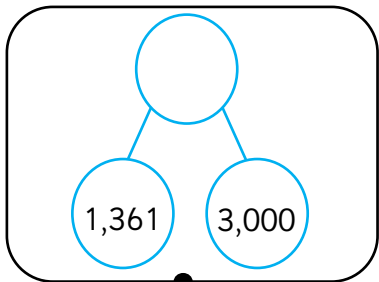
9,909

9,919

9,990



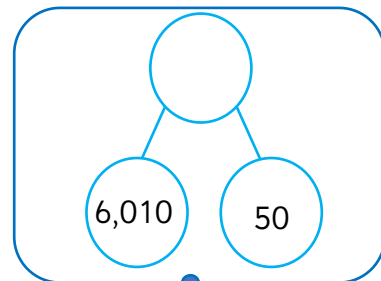
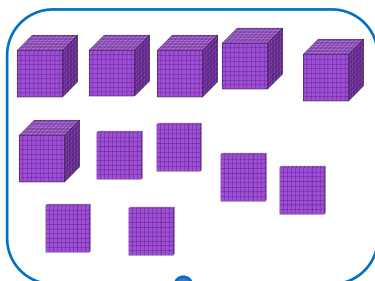
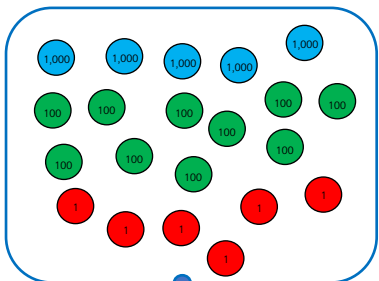
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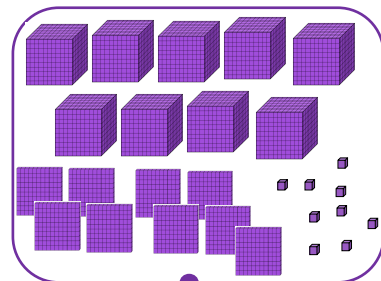
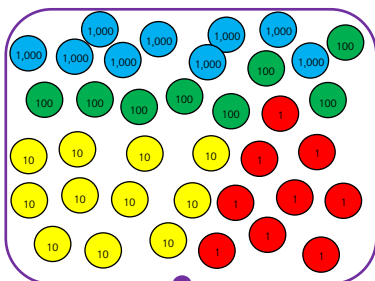
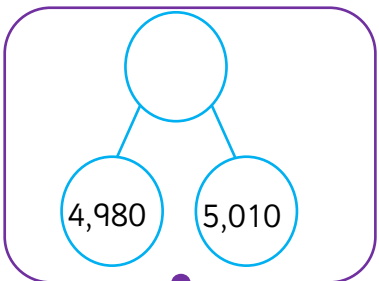
4,361



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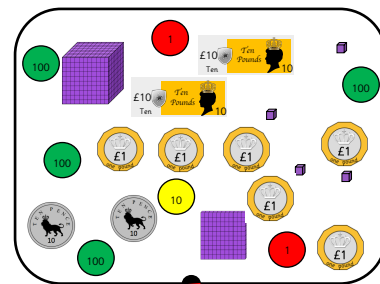
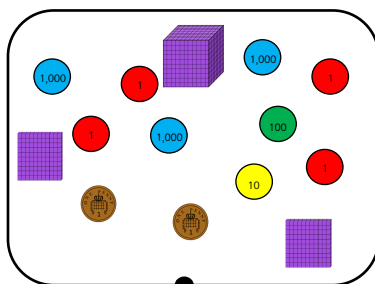
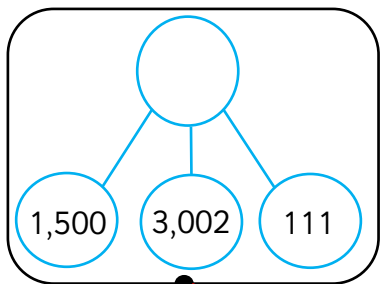
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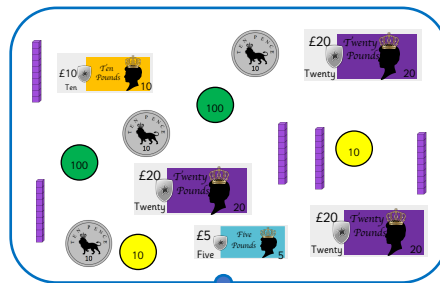
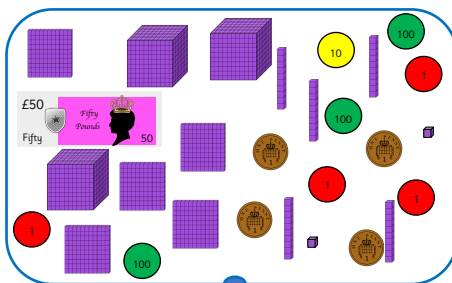
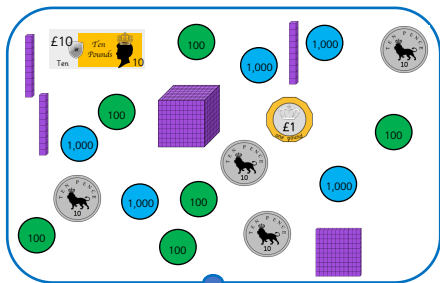
4,136

4,613

4,631

4,163

4,316



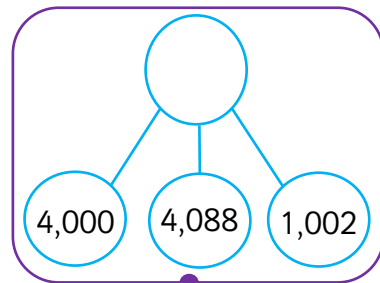
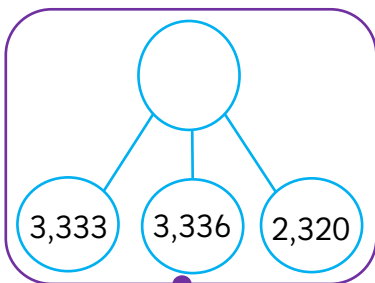
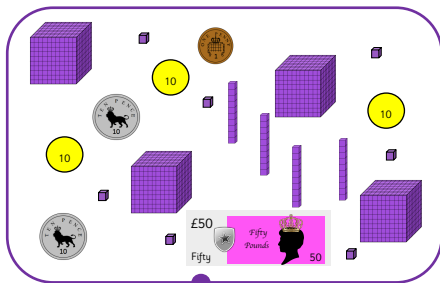
7,008

7,080

7,780

8,780

8,870



9,098

9,890

9,090

8,989

9,898



Which diagram is the odd one out?
Explain your answer.

What would be the 5th term in the pattern?

Write it in digits and words.



Which diagram is the odd one out?
Explain your answer.

What would be the 5th term in the pattern?

Write it in digits and words.



Which diagram is the odd one out?
Explain your answer.

The number line is because it shows 8,500 and the other numbers show 8,200.

What would be the 5th term in the pattern?

Write it in digits and words.

	<p>4,453</p>
	<p>5,453</p>
	<p>6,453</p>

The 5th term would be 8,453-
eight thousand, four hundred and fifty-three.



Which diagram is the odd one out?
Explain your answer.

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Explain your answer.

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Write it in digits and words.

Pattern 1:

1,000	1,000	100	100	100	100	10	1	
1,000	1,000	100	100	100	100	10	1	1

Pattern 2:

1,000	1,000	100	100	100	100	10	1	1
1,000	1,000	100	100	100	100	10	1	

Pattern 3:

1,000	1,000	100	100	100	100	10	1	1
1,000	1,000	100	100	100	100	100	10	1



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Explain your answer.

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Write it in digits and words.

Pattern 1:

1,000	1,000	100	100	100	100	10	1	
1,000	1,000	100	100	100	100	10	1	1

Pattern 2:

1,000	1,000	100	100	100	100	10	1	1
1,000	1,000	100	100	100	100	10	1	

Pattern 3:

1,000	1,000	100	100	100	100	10	1	1
1,000	1,000	100	100	100	100	100	10	1



Which diagram is the odd one out?
Explain your answer.

<p>4,500</p>	<p>4,500</p>
<p>4,500</p>	<p>4,050</p>

The place value counters are the odd one out because they show 4,050 and the other diagrams show 4,500.

What would be the 5th term in the pattern?

Write it in digits and words.

	4,723
	4,823
	4,923

The 5th term would be 5,123 - five thousand, one hundred and twenty-three.



Which diagram is the odd one out?
Explain your answer.

<p>4,500</p>	<p>4,500</p>
<p>4,500</p>	<p>4,050</p>

The place value counters are the odd one out because they show 4,050 and the other diagrams show 4,500.

What would be the 5th term in the pattern?

Write it in digits and words.

	4,723
	4,823
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What would be the 5th term in the pattern?

Write it in digits and words.



Which diagram is the odd one out?
Explain your answer.

6,666

3,602

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5,632

3,201

The other numbers all have 6 hundreds.

What would be the 5th term in the pattern?

Write it in digits and words.

4,926

5,936

The sequence is going up by 1,010 each time.
The 5th term will be 8,966- eight thousand,
nine hundred and thirty-six



Which diagram is the odd one out?
Explain your answer.

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3,602

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5,632

3,201

The other numbers all have 6 hundreds.

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