16.09.24

LI: To compare and order any integers.

one digit per box

Underline your date and LI

Our Learning Journey

Step 1	Numbers to 1,000,000
Step 2	Numbers to 10,000,000
Step 3	Read and write numbers to 10,000,000
Step 4	Powers of 10
Step 5	Number line to 10,000,000
Step 6	Compare and order any integers
Step 7	Round any integer
Step 8	Negative numbers

Key questions

- What is the value of each digit in the number?
- Which digit in each number has the greatest value? What is the value of these digits?
- When comparing two numbers with the same number of digits, what do you look at first?
- What is the difference between ascending and descending order?
- What is different about comparing numbers with the same number of digits and comparing numbers with different numbers of digits?

Key vocabulary

Place value, ones, tens, hundreds, thousands, ten-thousands, hundred-thousands, millions, column, integer

Name: _____

Week 3 S
Full Progr

1.	5 × 11 = _____	21.	5 × 7 = _____	41.	5 × 5 = _____
2.	5 × 6 = _____	22.	5 × 5 = _____	42.	3 × 5 = _____
3.	5 × 7 = _____	23.	5 × 4 = _____	43.	4 × 5 = _____
4.	5 × 6 = _____	24.	5 × 8 = _____	44.	9 × 5 = _____
5.	5 × 7 = _____	25.	5 × 6 = _____	45.	1 × 5 = _____
6.	5 × 9 = _____	26.	5 × 6 = _____	46.	10 × 5 = _____
7.	5 × 7 = _____	27.	5 × 10 = _____	47.	1 × 5 = _____
8.	5 × 1 = _____	28.	5 × 1 = _____	48.	9 × 5 = _____
9.	5 × 4 = _____	29.	5 × 4 = _____	49.	8 × 5 = _____
10.	5 × 10 = _____	30.	5 × 11 = _____	50.	10 × 5 = _____
11.	5 × 4 = _____	31.	6 × 5 = _____	51.	11 × 5 = _____
12.	5 × 4 = _____	32.	7 × 5 = _____	52.	7 × 5 = _____
13.	5 × 10 = _____	33.	9 × 5 = _____	53.	6 × 5 = _____
14.	5 × 10 = _____	34.	4 × 5 = _____	54.	1 × 5 = _____
15.	5 × 3 = _____	35.	7 × 5 = _____	55.	7 × 5 = _____
16.	5 × 1 = _____	36.	8 × 5 = _____	56.	3 × 5 = _____
17.	5 × 12 = _____	37.	8 × 5 = _____	57.	3 × 5 = _____
18.	5 × 9 = _____	38.	2 × 5 = _____	58.	8 × 5 = _____
19.	5 × 9 = _____	39.	3 × 5 = _____	59.	9 × 5 = _____
20.	5 × 1 = _____	40.	6 × 5 = _____	60.	5 × 5 = _____

TIME TAKEN: (3 MINUTE LIMIT) : SCORE: / 60

3 MIN

1.	5 × 11 = 55	21.	5 × 7 = 35	41.	5 × 5 = 25
2.	5 × 6 = 30	22.	5 × 5 = 25	42.	3 × 5 = 15
3.	5 × 7 = 35	23.	5 × 4 = 20	43.	4 × 5 = 20
4.	5 × 6 = 30	24.	5 × 8 = 40	44.	9 × 5 = 45
5.	5 × 7 = 35	25.	5 × 6 = 30	45.	1 × 5 = 5
6.	5 × 9 = 45	26.	5 × 6 = 30	46.	10 × 5 = 50
7.	5 × 7 = 35	27.	5 × 10 = 50	47.	1 × 5 = 5
8.	5 × 1 = 5	28.	5 × 1 = 5	48.	9 × 5 = 45
9.	5 × 4 = 20	29.	5 × 4 = 20	49.	8 × 5 = 40
10.	5 × 10 = 50	30.	5 × 11 = 55	50.	10 × 5 = 50
11.	5 × 4 = 20	31.	6 × 5 = 30	51.	11 × 5 = 55
12.	5 × 4 = 20	32.	7 × 5 = 35	52.	7 × 5 = 35
13.	5 × 10 = 50	33.	9 × 5 = 45	53.	6 × 5 = 30
14.	5 × 10 = 50	34.	4 × 5 = 20	54.	1 × 5 = 5
15.	5 × 3 = 15	35.	7 × 5 = 35	55.	7 × 5 = 35
16.	5 × 1 = 5	36.	8 × 5 = 40	56.	3 × 5 = 15
17.	5 × 12 = 60	37.	8 × 5 = 40	57.	3 × 5 = 15
18.	5 × 9 = 45	38.	2 × 5 = 10	58.	8 × 5 = 40
19.	5 × 9 = 45	39.	3 × 5 = 15	59.	9 × 5 = 45
20.	5 × 1 = 5	40.	6 × 5 = 30	60.	5 × 5 = 25

TIME TAKEN: (3 MINUTE LIMIT) : SCORE: /60

Starter/ Recap

Flashback 4

Year 6 | Week 2 | Day 1

What number is one-hundredth the size of half a million?

XXVII

What is the value of the digit 4 in the number 201,453?

Approximately how many centimetres is 3 inches?

What is the mathematical name of a 2-D shape with 7 sides?

White Rose Maths

Challenge:

Fill in the missing numbers.

824,309 = 800,000 + ___ + 4,000

6,413,085 = ___ + 80

58,904 = 50,000 + ___ + 4

947,812 – 400,000 = ___

947,812 – 4,000 = ___

947,812 – 400 = ___

5,198,264 – ___ = 5,098,264

5,198,264 – ___ = 5,191,264

Starter/ Recap

Flashback 4

Year 6 | Week 2 | Day 1

XXVII

1) What number is one-hundredth the size of half a million? 5,000

2) What is the value of the digit 4 in the number 201,453? 400

3) Approximately how many centimetres is 3 inches? 7.5

4) What is the mathematical name of a 2-D shape with 7 sides? heptagon

White Rose Maths

I do:

73,421 is greater than 132,812 because 7 is greater than 1

Do you agree with Tiny?

Explain your reasoning.

We do:

M	HTh	TTh	Th	H	T	O
	0	7	3	4	2	1
	1	3	2	8	1	2

73,421 132,812

Explain

Task 1:

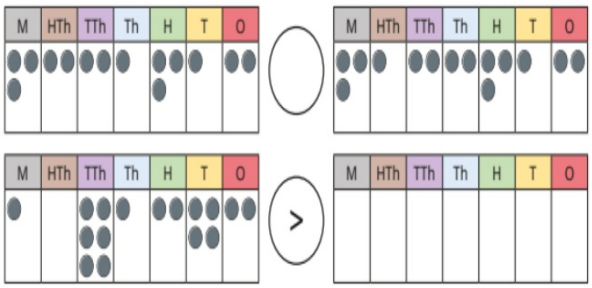
You do

Task 2:

- Which is the greater number in each pair?
  - 62,800 | 60,820
  - 247,612 | 247,162
  - 8,642,371 | 8,643,271

  Explain how you know.

- Complete the statements to make them true.



- Write the numbers in ascending order.

  6,503,102 651,300 6,550,021 690,210

- Which calculation has the greater answer?

  600,000 + 50,000 + 7,000 | 400,000 + 256,000

- Write <, > or = to make the statements correct.

  62,520 ◯ 602,250

  3,218,000 ◯ 399,875

  426,000 ◯ forty-four thousand

  990,099 ◯ one million

Task 3:

Eva has put eight 6-digit numbers in ascending order.

- The first number in her list is 345,900
- The last number in her list is 347,000
- All the other numbers in her list have a digit sum of 20
- None of the numbers in her list have any repeated digits.

Find the other six numbers in Eva's list and write them in ascending order.

Challenge:

_____ + 80,000 < half a million

Complete the sentences.

The missing number could be _____

The missing number cannot be _____

The missing number must be _____

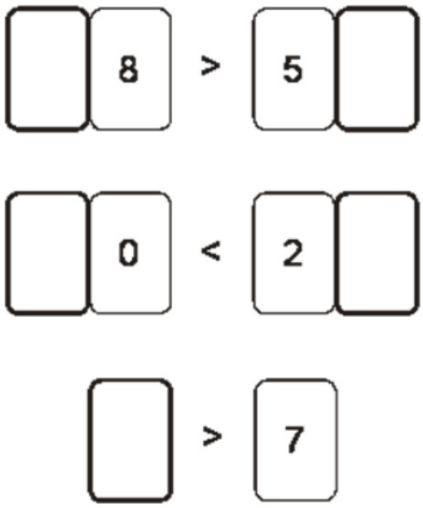
56,700 is greater than 201,000 because 5 is greater than 2

Explain the mistake that Tiny has made.

Plenary:

Q5. Here are five digit cards.

Use each card **once** to complete the statements below.



2 marks

17.09.24

LI: To round any integer

Underline your date and LI

one digit per box

Our Learning Journey

Step 1	Numbers to 1,000,000
Step 2	Numbers to 10,000,000
Step 3	Read and write numbers to 10,000,000
Step 4	Powers of 10
Step 5	Number line to 10,000,000
Step 6	Compare and order any integers
Step 7	Round any integer
Step 8	Negative numbers

Key questions

- Which multiples of 1,000,000 does the number lie between?
- How can you represent the rounding of this number on a number line?
- Which division on the number line is the number closer to?
- What is the number rounded to the nearest million?
- What is the most appropriate way of rounding this number?
- Which place value column should you look at to round the number to the nearest ten/hundred/thousand/ten thousand/ hundred thousand/million?

Key vocabulary

Place value, ones, tens, hundreds, thousands, ten-thousands, hundred-thousands, millions, column, integer, nearest, round

Answer as many questions as you can in the back of your book in the time given.You do not need to write the question, just the answer.

1. $5\overline{)20}$	13. $5\overline{)25}$	25. $5\overline{)60}$	37. $5\overline{)55}$	49. $5\overline{)30}$
2. $5\overline{)25}$	14. $5\overline{)35}$	26. $5\overline{)30}$	38. $5\overline{)40}$	50. $5\overline{)50}$
3. $5\overline{)40}$	15. $5\overline{)20}$	27. $5\overline{)60}$	39. $5\overline{)5}$	51. $5\overline{)20}$
4. $5\overline{)20}$	16. $5\overline{)10}$	28. $5\overline{)30}$	40. $5\overline{)60}$	52. $5\overline{)50}$
5. $5\overline{)60}$	17. $5\overline{)50}$	29. $5\overline{)55}$	41. $5\overline{)45}$	53. $5\overline{)45}$
6. $5\overline{)55}$	18. $5\overline{)55}$	30. $5\overline{)60}$	42. $5\overline{)10}$	54. $5\overline{)55}$
7. $5\overline{)20}$	19. $5\overline{)10}$	31. $5\overline{)5}$	43. $5\overline{)50}$	55. $5\overline{)25}$
8. $5\overline{)60}$	20. $5\overline{)35}$	32. $5\overline{)5}$	44. $5\overline{)60}$	56. $5\overline{)60}$
9. $5\overline{)10}$	21. $5\overline{)10}$	33. $5\overline{)40}$	45. $5\overline{)60}$	57. $5\overline{)60}$
10. $5\overline{)25}$	22. $5\overline{)30}$	34. $5\overline{)30}$	46. $5\overline{)55}$	58. $5\overline{)15}$
11. $5\overline{)25}$	23. $5\overline{)15}$	35. $5\overline{)20}$	47. $5\overline{)50}$	59. $5\overline{)40}$
12. $5\overline{)45}$	24. $5\overline{)15}$	36. $5\overline{)5}$	48. $5\overline{)60}$	60. $5\overline{)15}$

TIME TAKEN: :

SCORE: /60

1.	$5\overline{)20}$	13.	$5\overline{)25}$	25.	$5\overline{)60}$	37.	$5\overline{)55}$	49.	$5\overline{)30}$
2.	$5\overline{)25}$	14.	$5\overline{)35}$	26.	$5\overline{)30}$	38.	$5\overline{)40}$	50.	$5\overline{)50}$
3.	$5\overline{)40}$	15.	$5\overline{)20}$	27.	$5\overline{)60}$	39.	$5\overline{)5}$	51.	$5\overline{)20}$
4.	$5\overline{)20}$	16.	$5\overline{)10}$	28.	$5\overline{)30}$	40.	$5\overline{)60}$	52.	$5\overline{)50}$
5.	$5\overline{)60}$	17.	$5\overline{)50}$	29.	$5\overline{)55}$	41.	$5\overline{)45}$	53.	$5\overline{)45}$
6.	$5\overline{)55}$	18.	$5\overline{)55}$	30.	$5\overline{)60}$	42.	$5\overline{)10}$	54.	$5\overline{)55}$
7.	$5\overline{)20}$	19.	$5\overline{)10}$	31.	$5\overline{)5}$	43.	$5\overline{)50}$	55.	$5\overline{)25}$
8.	$5\overline{)60}$	20.	$5\overline{)35}$	32.	$5\overline{)5}$	44.	$5\overline{)60}$	56.	$5\overline{)60}$
9.	$5\overline{)10}$	21.	$5\overline{)10}$	33.	$5\overline{)40}$	45.	$5\overline{)60}$	57.	$5\overline{)60}$
10.	$5\overline{)25}$	22.	$5\overline{)30}$	34.	$5\overline{)30}$	46.	$5\overline{)55}$	58.	$5\overline{)15}$
11.	$5\overline{)25}$	23.	$5\overline{)15}$	35.	$5\overline{)20}$	47.	$5\overline{)50}$	59.	$5\overline{)40}$
12.	$5\overline{)45}$	24.	$5\overline{)15}$	36.	$5\overline{)5}$	48.	$5\overline{)60}$	60.	$5\overline{)15}$

TIME TAKEN: :

SCORE: /60

Ans

Arithmetic

Flashback 4

Year 6 | Week 2 | Day 2

DLV

1) What number is 1,000 times the size of 405?

2) What is the value of the underlined digit?

5,030,090

3) How many minutes are there in 3 hours?

4) Write the fractions in ascending order.

$\frac{9}{15}$ $\frac{2}{5}$ $\frac{4}{20}$

White Rose Maths

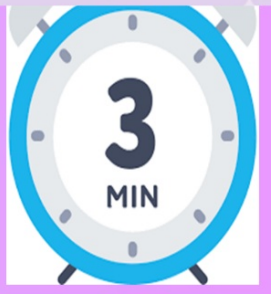
Challenge:

The total perime
octagon is 296c

What is the leng

Can you find two
up to 250?

123 222 1
239 86
201 136 12



Arithmetic

Flashback 4

Year 6 | Week 2 | Day 2

DLV

1) What number is 1,000 times the size of 405? 405,000

2) What is the value of the underlined digit?

5,030,090 0 thousands

3) How many minutes are there in 3 hours? 180

4) Write the fractions in ascending order.

$\frac{9}{15}$ $\frac{2}{5}$ $\frac{4}{20}$ $\frac{4}{20}$ $\frac{2}{5}$ $\frac{9}{15}$

White Rose Maths

Starter/ Recap

1) Round 3,404 to the nearest 10

2) Round 3,404 to nearest 100

3) Which multiple of 1,000 is 5,770 closest to?

4) Which multiples of 100,000 does 384,283 lie between?

I do:

I do

32,847

Have a think

TTh	Th	H	T	O
10,000 10,000 10,000	1,000 1,000	100 100 100 100 100 100 100 100	10 10 10 10	1 1 1 1 1 1 1

When rounding to the nearest 1,000 you look at the 1,000 column.

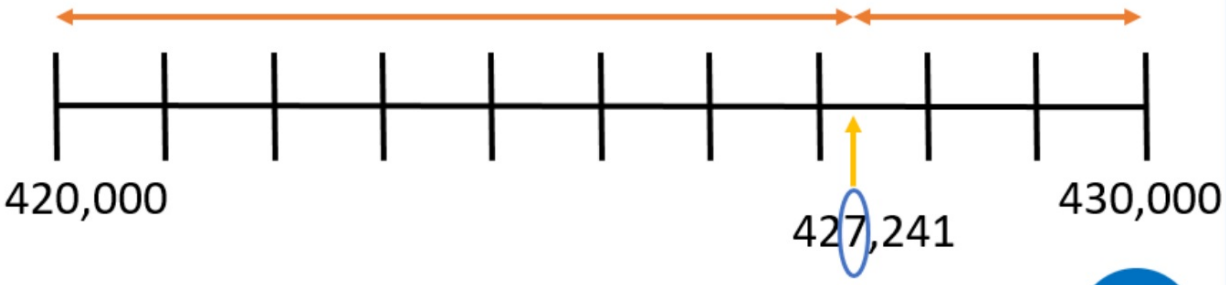
Is Tiny correct?

White Rose Maths

We do:

You do

Round 427,241 to the nearest 10,000



Have a think

The previous multiple of 10,000 is _____

The next multiple of 10,000 is _____

_____ is closer to _____ than _____

427,241 rounded to the nearest 10,000 is _____

White

Task 1

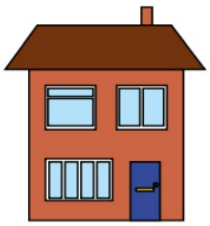
HTh	TTh	Th	H	T	O
●● ●● ●		●● ●● ●● ●	●● ●● ●● ●● ●	●● ●● ●● ●●	●● ●● ●● ●● ●

Round the number in the place value chart to:

- the nearest ten thousand
- the nearest hundred thousand
- the nearest million.

- The population of London is 8,982,604
  Between which two multiples of 1,000,000 does this number lie?
  Round the population of London to the nearest million.

- In April 2021, the average price of a house in England was £273,486
  Round this price to the nearest £100,000
  Round this price to the nearest £10,000
  Round this price to the nearest £1,000
  Which do you think is the most appropriate number to round the price to?



Task 2

- 

  What is the greatest possible value of Dexter's number?
  What is the smallest possible value of Dexter's number?

Task 3:

Mo and Rosie are each thinking of a number.

My number is 1,350,000 when rounded to the nearest ten-thousand.

Mo

My number is 1,000,000 when rounded to the nearest million.

Rosie

Both numbers are whole numbers.

What is the greatest possible difference between the two numbers?

Challenge:

Four children each have one of these cards.

15,987	15,813
15,101	16,101

Each child gives a clue about the number on their card.

Filip says, "My number rounds to 16,000 to the nearest thousand."

Esther says, "My number has 1 hundred."

Jack says, "My number is 15,990 when rounded to the nearest ten."

Dora says, "My number is 15,000 when rounded to the nearest thousand."

Match the cards to the children.

Plenary:

Challenge

Q1. Draw arrows.

rounded to the nearest **100** is →

	3700
1070	
	8200
8225	3600
	1100
3680	8300
	1000

Q2. Write the answer to each of these calculations rounded to the **nearest whole number**.

One has been done for you.

	To the nearest whole number
75.7 × 59	4466
7734 ÷ 60	
772.4 × 9.7	
20.34 × (7.9 – 5.4)	

2 marks

18.09.24

LI: Negative numbers

Underline your date and LI

one digit per box

Key questions

- Which multiples of 1,000,000 does the number lie between?
- How can you represent the rounding of this number on a number line?
- Which division on the number line is the number closer to?
- What is the number rounded to the nearest million?
- What is the most appropriate way of rounding this number?
- Which place value column should you look at to round the number to the nearest ten/hundred/thousand/ten thousand/ hundred thousand/million?

Our Learning Journey

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Step 2	Numbers to 10,000,000
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Step 6	Compare and order any integers
Step 7	Round any integer
Step 8	Negative numbers

Key vocabulary

Place value, zero, less, minus, negative number, whole number

1.	5 × 4	13.	5 × 8	25.	5 × 7	37.	5 × 3	49.	5 × 5
2.	5 × 1	14.	5 × 2	26.	5 × 4	38.	5 × 7	50.	5 × 10
3.	5 × 11	15.	5 × 2	27.	5 × 12	39.	5 × 12	51.	5 × 10
4.	5 × 11	16.	5 × 6	28.	5 × 10	40.	5 × 9	52.	5 × 11
5.	5 × 6	17.	5 × 4	29.	5 × 4	41.	5 × 11	53.	5 × 11
6.	5 × 10	18.	5 × 2	30.	5 × 4	42.	5 × 10	54.	5 × 11
7.	5 × 11	19.	5 × 5	31.	5 × 9	43.	5 × 8	55.	5 × 10
8.	5 × 8	20.	5 × 3	32.	5 × 8	44.	5 × 3	56.	5 × 3
9.	5 × 12	21.	5 × 5	33.	5 × 11	45.	5 × 10	57.	5 × 8
10.	5 × 10	22.	5 × 12	34.	5 × 5	46.	5 × 2	58.	5 × 4
11.	5 × 12	23.	5 × 8	35.	5 × 10	47.	5 × 2	59.	5 × 4
12.	5 × 7	24.	5 × 2	36.	5 × 3	48.	5 × 9	60.	5 × 6

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3.	5 × 11 = 55	15.	5 × 2 = 10	27.	5 × 12 = 60	39.	5 × 12 = 60	51.	5 × 10 = 50
4.	5 × 11 = 55	16.	5 × 6 = 30	28.	5 × 10 = 50	40.	5 × 9 = 45	52.	5 × 11 = 55
5.	5 × 6 = 30	17.	5 × 4 = 20	29.	5 × 4 = 20	41.	5 × 11 = 55	53.	5 × 11 = 55
6.	5 × 10 = 50	18.	5 × 2 = 10	30.	5 × 4 = 20	42.	5 × 10 = 50	54.	5 × 11 = 55
7.	5 × 11 = 55	19.	5 × 5 = 25	31.	5 × 9 = 45	43.	5 × 8 = 40	55.	5 × 10 = 50
8.	5 × 8 = 40	20.	5 × 3 = 15	32.	5 × 8 = 40	44.	5 × 3 = 15	56.	5 × 3 = 15
9.	5 × 12 = 60	21.	5 × 5 = 25	33.	5 × 11 = 55	45.	5 × 10 = 50	57.	5 × 8 = 40
10.	5 × 10 = 50	22.	5 × 12 = 60	34.	5 × 5 = 25	46.	5 × 2 = 10	58.	5 × 4 = 20
11.	5 × 12 = 60	23.	5 × 8 = 40	35.	5 × 10 = 50	47.	5 × 2 = 10	59.	5 × 4 = 20
12.	5 × 7 = 35	24.	5 × 2 = 10	36.	5 × 3 = 15	48.	5 × 9 = 45	60.	5 × 6 = 30

TIME TAKEN: (5 MINUTE LIMIT) : SCORE: / 60

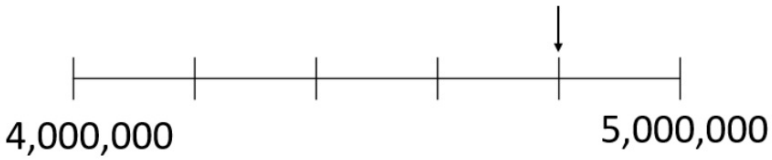
Ans

Flashback 4

Year 6 | Week 2 | Day 3

XXV

What number is the arrow pointing to?



What number is 6,000 less than 5,312,400?

If today is Wednesday, what day of the week will it be in 10 days time?

What is 5 subtract 16?

White Rose Maths

Challenge:

A factory makes
lemonade a minu

How much lemon
7 minutes?

Anne has £8.97.
She buys some frui
£5.34.

How much did her

Flashback 4

Year 6 | Week 2 | Day 3

XXV

1) What number is the arrow pointing to?

2) What number is 6,000 less than 5,312,400? 5,306,400

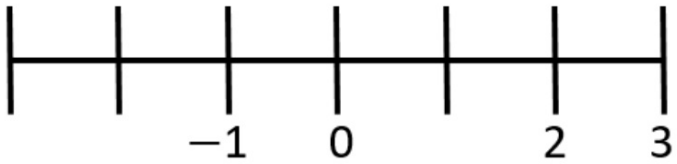
3) If today is Wednesday, what day of the week will it be in 10 days time? Saturday

4) What is 5 subtract 16? −11

White Rose Maths

Starter

1) Complete the number line.



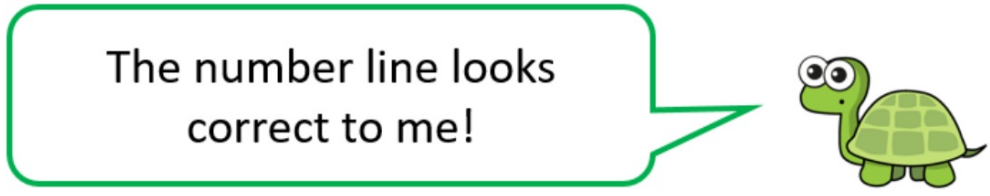
2) $0 - 1 =$

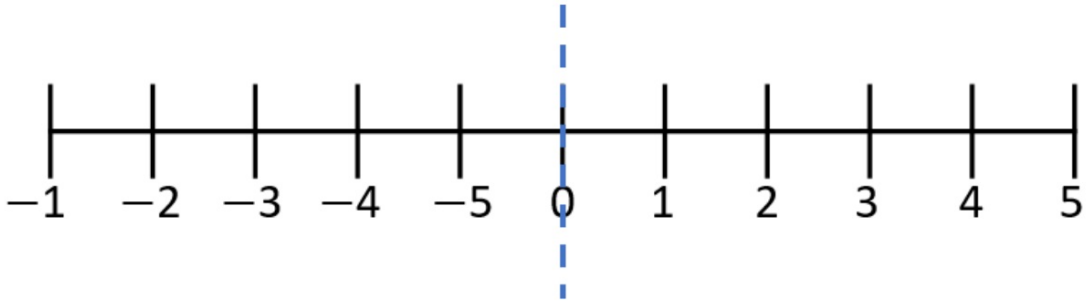
3) What is 3 less than 1?

4) What is 4 more than negative 2?

I do:

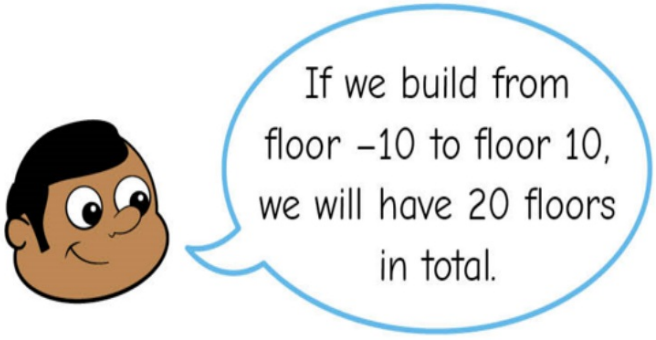
Have a think





We do:

A company has plans to construct a building with floors above and below ground.



Do you agree? Explain your answer.

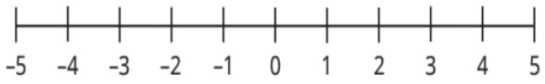
Task 1:

- What temperature does the thermometer show?

  If the temperature drops by 1 °C, what temperature will the thermometer show?

  What temperature is 5 °C warmer than the temperature shown on the thermometer?

- Use the number line to answer the questions.



  What is 6 less than 4?

  What is 5 more than -2?

  What is the difference between 3 and -3?

Task 2:

- The table shows the temperatures in four places on a day in January.

Bradford	2 °C
Harlow	−3 °C
Aberdeen	−7 °C
Southampton	4 °C

  Which place has the lowest temperature?

  Work out the difference between the temperature in Harlow and the temperature in Southampton.

  The next day the temperature in Bradford dropped by 6 °C. Work out the new temperature in Bradford.

- Complete the number sequences.

  - 8, 5, 2, ☐, ☐
  - −11, ☐, −3, 1, ☐

Task 3:

A company has plans to construct a building with floors above and below ground.

If we build from floor −10 to floor 10, we will have 20 floors in total.

Do you agree? Explain your answer.

Find different ways of completing the calculation.

_____ + _____ = −2

Challenge:

Is each statement always true, sometimes true or never true?

When you count forwards in tens from a positive 1-digit number, the final digits of all the numbers are the same.

When you count backwards in tens from a positive 1-digit number, the final digits of all the numbers are the same.

Give examples to support your answers.

What patterns can you see?

Plenary:

Q15. Circle **two numbers** which have a **difference of 2**

–1 **–0.5** **0** **0.5** **1** **1.5**

1 mark

Challenge

Q4. Here is part of a number line.

It is divided into equal sections.

Write the letter of the section where each of these numbers belongs.

The number 99 has been done for you.

number	section
99	J
29	
–83	
–15	

19.09.24

LI: End of unit assessment

Underline your date and LI

one digit per box

Key vocabulary

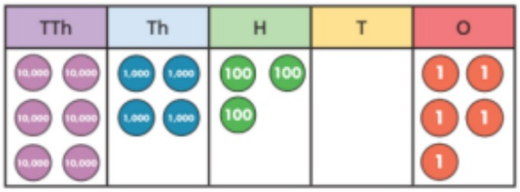
Place value, ones, tens, hundreds, thousands, ten-thousands, hundred-thousands, millions, column, integer, more than, less than, equal to, rounding, round up, minus, negative number, whole

Our Learning Journey

Step 1	Numbers to 1,000,000
Step 2	Numbers to 10,000,000
Step 3	Read and write numbers to 10,000,000
Step 4	Powers of 10
Step 5	Number line to 10,000,000
Step 6	Compare and order any integers
Step 7	Round any integer
Step 8	Negative numbers

Place Value Assessment

1 The place value grid shows the number 64,305



How many thousands are there in 64,305?

_____

What is 100 more than 64,305?

_____

What is 10 less than 64,305?

_____

Complete the missing numbers.

127,084 = 100,000 + 20,000 + _____ + 80 + 4

_____ = 9,000 + 500 + 3

6,450,235 = _____ + _____ + 200 + 35

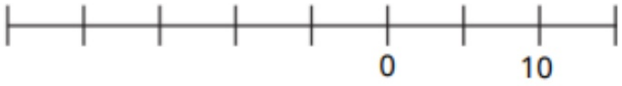
3 Write 4,035 in words.

_____

Write three million, two hundred and sixty-seven thousand in digits.

_____

4 Label −15 on the number line.



5 Circle the number that rounds to 7 million.

6,456,999 7,999,999 6,555,555 7,555,555

Round 457 to the nearest 10

_____

Round 32,005 to the nearest 10,000

_____

Place Value Assessment

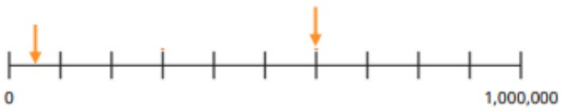
6 The lengths of four rivers are shown in the table.

River	Length in km
Mississippi	6,275
Saint Lawrence	3,058
Nile	6,853
Rio Grande	3,057

Put the lengths of the rivers in order starting with the shortest.

_____ _____ _____ _____

7 What numbers are the arrows pointing to?



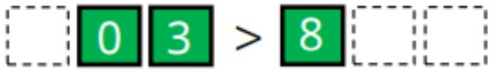
_____ and _____

8 What is the smallest digit that can be used to make this statement correct?

34,3☐8 > 34,359

9 Here are 3 digit cards.

Use each card once to make the statement correct.



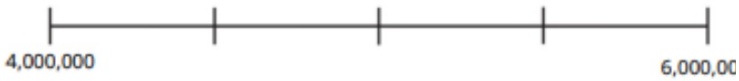
Arrange all 6 cards to make a number between 395,000 and 425,000

10 Rosie gives some clues about a seven-digit number.

- My number has four zeros.
- It has twice as many hundred thousands as millions.
- It rounds to 5 million to the nearest million.
- There is a 5 in the ten thousands column.

What is Rosie's number? _____

Draw an arrow to estimate the position of Rosie's number on the number line.



Place Value Assessment

Answers ->

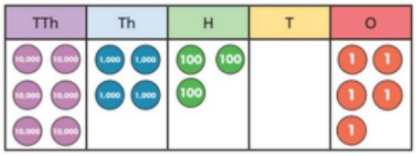
Place Value Assessment

Place value

A

Name _____

1 The place value grid shows the number 64,305



How many thousands are there in 64,305?

Four

1 mark

What is 100 more than 64,305?

64,405

1 mark

What is 10 less than 64,305?

64,295

1 mark

2 Complete the missing numbers.

127,084 = 100,000 + 20,000 + 7,000 + 80 + 4

1 mark

9,503 = 9,000 + 500 + 3

1 mark

6,450,235 = 6,000,000 + 450,000 + 200 + 35

Any two numbers that add up to 6,450,000

1 mark

3 Write 4,035 in words.

Four thousand and thirty-five

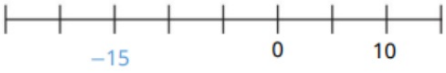
1 mark

Write three million, two hundred and sixty-seven thousand in digits.

3,267,000

1 mark

4 Label −15 on the number line.



1 mark

5 Circle the number that rounds to 7 million.

6,456,999 7,999,999 (6,555,555) 7,555,555

1 mark

Round 457 to the nearest 10

460

1 mark

Round 32,005 to the nearest 10,000

30,000

1 mark

White Rose Maths

Place Value Assessment

6 The lengths of four rivers are shown in the table.

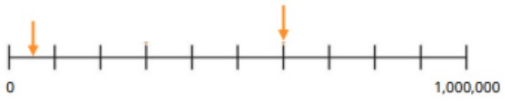
River	Length in km
Mississippi	6,275
Saint Lawrence	3,058
Nile	6,853
Rio Grande	3,057

Put the lengths of the rivers in order starting with the shortest.

3,057 | 3,058 | 6,275 | 6,853

1 mark

7 What numbers are the arrows pointing to?



50,000 and 600,000

2 marks

8 What is the smallest digit that can be used to make this statement correct?

34,3 6 8 > 34,359

1 mark

9 Here are 3 digit cards.

4 8 9

Use each card once to make the statement correct.

e.g. 9 0 3 > 8 8 4

1 mark

Arrange all 6 cards to make a number between 395,000 and 425,000

e.g. 3 9 8 8 4 0

1 mark

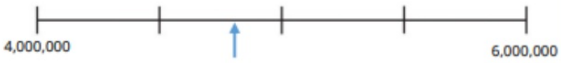
10 Rosie gives some clues about a seven-digit number.

- My number has four zeros.
- It has twice as many hundred thousands as millions.
- It rounds to 5 million to the nearest million.
- There is a 5 in the ten thousands column.

What is Rosie's number? 4,850,000

1 mark

Draw an arrow to estimate the position of Rosie's number on the number line.



Arrow should be just over halfway between second and third markers.

1 mark

White Rose Maths