

5JG Learning Letter

Week 2 Maths – Place Value

**Maths
this week**

The focus for this week's learning is **continuing place value**. Use paper and a pencil to complete the tasks in the Word document.



You could also have a look at the videos on **Google Classroom** to help you understand the tasks.

Lesson 1 – Numbers to 1,000,000

Learning Question: Can I apply my knowledge of place value?

Task 1: Using items at home as counters (you can use pasta, coins, Lego etc.) can you make these number on a place value chart.

Success Criteria:

- I can read, write, order and compare numbers to 1,000,000
- I can determine the value of each digit in numbers to 1,000,000

Thousands			Ones		
H	T	O	H	T	O

- a) 34,596
- b) 434,596
- c) 438,596
- d) 438,096

Lesson 2 – Counting in 10s, 100s, 1,000s, 10,000s and 100,000s

Learning Question: Can I add and subtract numbers in a sequence?

Task 1: Can you write the next 3 terms (numbers) the sequences below:

Success Criteria:

- I can count forwards or backwards in steps of powers of 10 for any given number up to 1,000,000
- I can interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through zero

- a) 10, 20, 30,...
- b) 22, 32, 42,...
- c) 11, 111, 211,...
- d) 12,600, 13,600, 14,600...
- e) 801,704, 701,704, 601,704

Task 2: Circle and correct the mistakes in the sequence:

- 7,875, 8,875, 9,875, 11,875, 12,875, 13,875, ...

Lesson 3 - Comparing and ordering numbers up to 1,000,000

Learning Question: Can I apply my knowledge of place value?

Success Criteria:

- I can read, write, order and compare numbers to 1,000,000
- I can determine the value of each digit in numbers to 1,000,000

Task 1: Put the number below in ascending order:

- 893,483
- 894,483
- 892,483
- 892,283

Task 2:

Here is a table showing the population in areas of Yorkshire.

Halifax	88,134
Brighouse	32,360
Leeds	720,492
Huddersfield	146,234
Wakefield	76,886
Bradford	531,200

Use $<$, $>$ or $=$ to make the statements correct.

The population of Halifax the population of Wakefield.

Double the population of Brighouse the population of Halifax.

Lesson 4 - Round within 1,000,000

Learning Question: Can I apply my knowledge of place value?

Success Criteria:

- I can read, write, order and compare numbers to 1,000,000
- I can determine the value of each digit in numbers to 1,000,000

Task 1: Can you round 365,739:

- the nearest 10
- the nearest 100
- the nearest 1,000
- the nearest 10,000
- the nearest 100,000

Task 2:

A festival plans on selling 218,712 tickets. If tickets come in batches of 100,000, how many batches should the festival organisers buy?

Lesson 5 - Negative Numbers

Learning Question: Can I apply my knowledge of place value to negative numbers?

Success Criteria:

- I can interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through zero

Task 1: What is the difference between the two numbers? Draw a number line to help you. I have done the first one for you.

a) -2 and $5 = 7$

b) -5 and 5

c) 6 and -3

d) 12 and -4

e) 8 and -17

Task 2:

Estimate and label where 0 , -12 and -20 will be on the number line.

