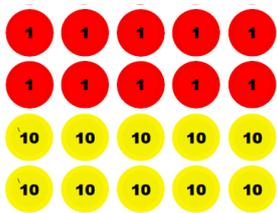


Learning Letter – Maths

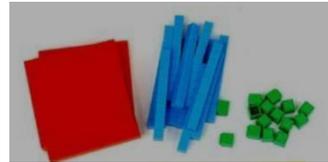
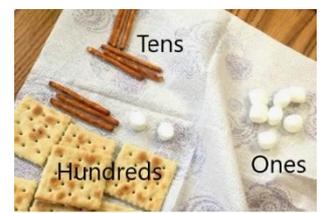
Week beginning 20/04/20

Hello Year 3! This week in maths we are going back over **place value!** We will be looking at thousands, hundreds, tens and ones. To help, you could make your own place value grid and find something around your home to use as place value counters/dienes. You could draw and make your own or use things you may have already around the house such as pasta, beads, dry beans or pebbles. Be creative! Anything that you could separate into thousands, hundreds, tens and ones by colour or size! I have attached some examples below and will add some on google classroom too!



Place Value Mat

Thousands	Hundreds	Tens	Ones



Lesson	Main Tasks and Learning Question												
Lesson 1	<p><u>Can I apply my knowledge of place value?</u></p> <p>-I can read and write numbers up to 4 digits (thousands) -I can identify the place value of thousands, hundreds, tens and ones</p> <p>Task 1 - Write the number in numerals and words represented by the place value grid, dienes or counters</p> <p>E.g.</p> <table border="1" style="display: inline-table; margin-right: 20px;"> <thead> <tr> <th>Th</th> <th>H</th> <th>T</th> <th>O</th> </tr> </thead> <tbody> <tr> <td>●●</td> <td>●●●●</td> <td>●●</td> <td></td> </tr> </tbody> </table> <p style="margin-left: 20px;">2530 Two thousand, five hundred and thirty</p> <table border="1" style="display: inline-table; margin-right: 20px;"> <tbody> <tr> <td>■</td> <td>■</td> <td>■</td> <td>■</td> </tr> </tbody> </table> <p style="margin-left: 20px;">230 Two hundred and thirty</p> <p>I will attach a word mat in google classroom to help with spellings of numbers.</p> <p>Task 2 - Identify the place value of the underlined digit. E.g. <u>4</u>568 The place value of the underlined digit is <u>500</u> because it is in the hundred column. 29<u>7</u>1 The place value of the underlined digit is <u>70</u>.</p> <p>Task 3 - Write three different 4-digit numbers that have a) 6 in the hundreds column b) 7 in the ones column c) 8 in the thousands column</p>	Th	H	T	O	●●	●●●●	●●		■	■	■	■
Th	H	T	O										
●●	●●●●	●●											
■	■	■	■										

Lesson 2

Can you problem solve with place value?

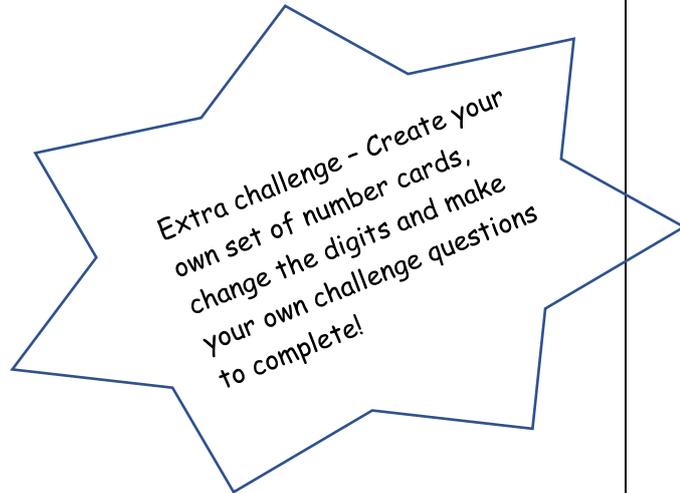
-I can use my knowledge of place value to problem solve

-I can identify thousands, hundreds, tens and ones

Task 1 - Use the number cards to complete the questions. You can use the cards more than once for each question but cannot repeat the card in a question, for example not 33 or 242 for an answer as they have a repeated digit.



- a). Use **three** of the number cards to make a number bigger than **500**.
- b). Make the **smallest two-digit number** possible.
- c). Make the **largest four-digit number** possible.
- d). Can you make an **even** number that is **greater than 100** but **less than 300**?
- e). Can you make an **odd** number that is **greater than 20** but **less than 200**?



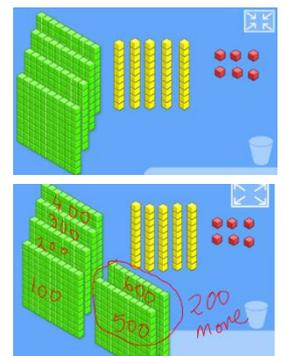
Task 2 - Find what has been added to each of the numbers. These could be completed mentally or you could use/draw a place value grid and counters to help you.

E.g. 456 → 656

-Identify which digit has changed 456 → 656

-Use a place value grid to work out the place value of the number

-Find how much has been added to that column



Lesson 3

Can you use a number line?

-I can place numbers on a line.

-I can read, write, compare and order numbers to 1000.

-I can count up and down in 50's

Task 1 -Count up and down in 50's.

e.g. What would the missing numbers be on the following number line?

0-----50-----_____-----150-----200-----_____-----300

Then complete reasoning questions about counting up and down in 50's. Remember reasoning questions means you need to explain your answers. For example, I think this is true **because...** or This is incorrect **as...**

Task 2- Number Lines

There are various questions using number lines some you have to complete the number line, some you are estimating where a number might be on one and some you are answering questions about a completed one.

Remember these important tips though:

***Look at the start and end of the number line, make sure you check the scale!**

a) 0 _____ 100

b) 0 _____ 1000

E.g. On number line a the scale is 0-100 so the arrow would represent the half way point as 50 whereas on number line b the scale 0-1000 so the arrow would represent the half way point as 500.

***On a blank number line, mark on any significant numbers by working out the half way point first!**

Lesson 4

Can you find 10,100,1000 more or less of a number?

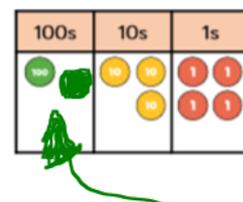
- I can identify the value of each digit
- I can find more or less of a given number

Task 1 - Identify the number shown in the images and then find 10, 100,1000 more or less. Either mentally or use a place value grid and resources to help you.

For example,



This place value chart shows **134**.
 What would it be if you added 100 more?
 You would add another hundred counter and now recount and it becomes **234**



Task 2 - Complete the tables.

Make sure you first identify which column you are going to be finding more or less from! (circle, highlight or underline them to make it clear for yourself)

100 less		100 more
	456	
		762
	1324	

10 less		10 more
	18	
		931
	2345	

Lesson 5

Can you compare and order up to 4 digit numbers?

- I can order numbers using my knowledge of place value
- I can use comparison symbols (< > =)

Task 1 - Order numbers from smallest to largest or largest to smallest. To do this make sure you start by looking at the **highest place value digit** first and working on from there. If they have the same highest digit (e.g. **300** in the example below) then you move to the next place value digit (in the example below you move to the **tens**).

E.g. Order these numbers in descending order (largest to smallest)

345 1456 3456 28 385

Would become... **3456 1456 385 345 28**

Task 2 - Compare numbers using comparison symbols.

Remember the big end of the arrow goes to the biggest number!

E.g. $456 > 356$ $281 < 381$ $200 =$

Don't forget you should still be practising your times tables! Make sure your 3,4 and 8 are super speedy before moving onto to your 7 and 9 times tables. You can still be using mathletics and purple mash too for any extra work, times tables practise or just for fun!