# Numeracy Home Learning Wall E2

100 dot add on
Place out 1 x 100 dot square and 2 x 10 strips. How many dots? Count forward in 100s as you add 1 more 100 dot square to the pile.
Take away one at a time to count backwards in 100s.

Hidden hundreds 2!
Say, "I've got 8 x hundred dot squares in this box (or covered up) and 3 ten strips. How many dots are there? Take 2 squares away. "How many dots are there now?" Take away a strip. "How many now? Try other examples.

10 up!
Roll a dice 3 times to create a 3 digit number. Add 10 to your number. What is it now?
Keep adding 10 until you have 10 numbers. What do you notice?
Do the same again, going back in tens.

Estimator!
Draw a line marked 0-100.
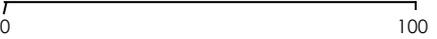
0 ————————————— 100

Think of a number between 0-100 then **estimate** where you think it should be placed on the line. Place 8 numbers on the line. How did you work out where they should go?

Round it!
Roll a dice 3 times to create a hundreds number. Write it down.
'Round it' to the nearest hundred and write it down beside your original number.
How did you work it out?

Make 100
Missing Addend Task

Roll 2 dice to create a 2 digit number. How many more to make 100?
Record your thinking using an ENL.

Partitioned Arrays
Draw your own partitioned arrays(at least 4) on squared paper using 2 colours of dots.
Write… **How many columns** of each colour and how many altogether? **How many rows** of each colour and how many altogether? How else can you describe the partitioned array?

In your head!
Roll 2 dice to create a 2 digit number and write it down. Roll 1 dice to create a 1 digit number and use that to write a subtraction sum, e.g. 92 – 4 = ? Try to solve it without using any support materials like ENL or cotton buds. Do 10 or more examples.

What's the question?
Roll 2 dice to create a 2 digit number. How many sums, word problems and questions can you think of to match your number? Record in a mind map.

ENL Battle!
Roll 2 dice to create a 2 digit number. Roll again to create another 2 digit number. Start at the lowest number – how far is it to the higher number? Use an ENL to show how you worked it out. Do 4 more + and – examples.

Non-Canonical Roll Up!
Draw a table labelled hundreds, tens & units. Roll the dice and write that number into the H column. Roll again – write the number into the T column and again for the units column. Now work out your total score. Why not play against someone and see if you can beat their score? Play at least 5 rounds.

Make a game!
Make a game to develop your number skills. It could be to practise anything, from counting forwards and backwards to times tables…from, e.g. bingo, pairs, track game…

Equaliser!
Roll a dice twice to create sets of **equal** groups. E.g. if you roll a 3 and a 4, work out 3 sets of 4. Do 10 examples. *Can you think of a word problem for one of your sums?*

Make a Poster
Design a poster to demonstrate your understanding of Non-Canonical numbers! It should include at least 3 facts.

Non-Canonical Roll <u>Over</u>!
A trickier version of **Non-Canonical Roll Up**! This time roll 2 dice to create a 2 digit number for the tens and units column (one dice for the Hundreds column).
Play against a partner to see who has the highest score for each round. Play 5 rounds!

Alphabetical Numbers*
Write the alphabet going down the side of your page (as a list). Try to think of a word relating to your 'Number work' for each letter. E.g. A is for Arrays. As long as you can 'justify' your answer it counts!

The best way…?
Do the sum … 45 + 46 = ?
What strategy did you use?
Draw a **mind map** to demonstrate all the different ways in which you could work out this sum. Circle what **you think** is the **most effective strategy.**

Non-Canonical Count Up!
Roll a dice and put that many 100 dot squares. Roll 2 dice and put out that many ten strips. Roll 2 dice and draw that many dots on a piece of paper. Can you work out how many dots altogether?