

# St Anne's Primary School Maths Progression:



## Place Value

### Reception

### Nursery

- Count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number
- Count in multiples of twos, fives and tens
- Read and write numbers to 100 in numerals
- Given a number, identify one more and one less

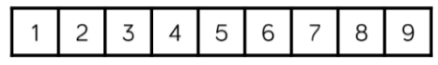
- Read and write numbers from 1 to 20 in numerals and words.

- Use the language of: equal to, more than, less than (fewer), most, least

- Identify and represent numbers using objects and pictorial representations including the number line

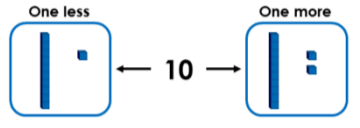
- To understand the composition of numbers to 10.
- Rote count to 20 and beyond.

- Recite numbers past 5.
- Recall how many in total.
- Represent numbers in different ways.



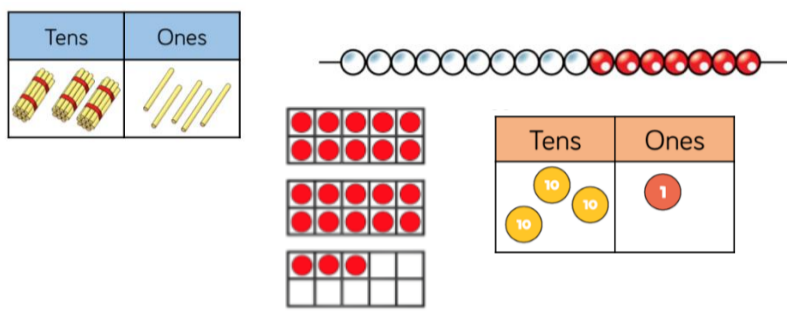
- Key**
- Counting
  - Reading & Writing Numbers
  - Identifying, Representing & Estimating Numbers
  - Understanding Place Value
  - Comparing Numbers
  - Rounding

### YEAR 1



- Read and write numbers to at least 100 in numerals and in words phonetically.

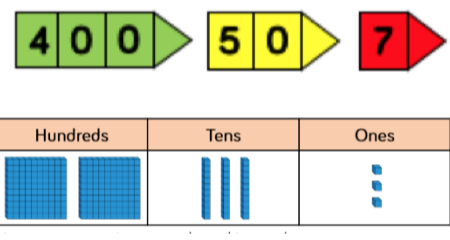
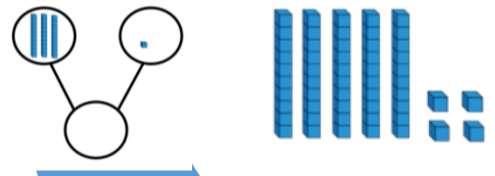
- Count in steps of 2 and 5 from 0 and in tens from any number forward and backward.



- Compare and order numbers from 0 up to 100; use <, > and = signs.

### YEAR 2

- Partition any 2 digit into different combinations.



- Count from 0 in multiples of 4, 8, 50 and 100
- Find 10 or 100 more or less than a given number

- Read and write numbers up to 1000 in numerals and in words

- Identify, represent and estimate numbers using different representations

- Re the place value of each digit in a three- digit number (hundreds. tens. ones)

### YEAR 3

- Find 0.1, 1, 10, 100 or 1000 more or less than a given number.

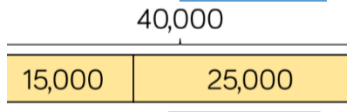
- Recognise the place value of each digit in a 4 digit number.

- Identify the value of each digit to two decimal places.
- Partition numbers in different ways (e.g.  $2.3 = 2 + 0.3$  &  $1 + 1.3$ ).

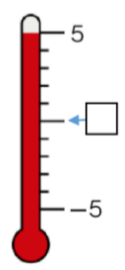
- Order and compare numbers beyond 1000.
- Order and compare numbers with the same number of decimal places up to two decimal places.

- Round any number to the nearest 10, 100 or 1000.
- Find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer.

digit numeral figure partition round  
 compare estimate negative integer  
 value equal less than greater  
 zero ones tens hundreds than  
 millions thousands



+ problem solving



+ problem solving

### Vocabulary YEAR 4

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

- Read and write numbers to at least
- Determine the value of each digit in numbers to at least 1,000,000
- Order and compare numbers to at least 1,000,000

- Round any number up to 1,000,000 to the nearest 10, 100, 1000, 10,000 and 100,000

- Use negative numbers in context, and calculate intervals across zero

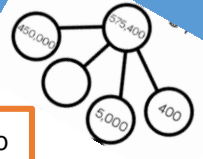
- Read and write numbers up to 10,000,000

- Understand and use place value for decimals, measures and integers of any size
- Determine the value of each digit in numbers up to 10,000,000

- Order and compare numbers up to 10,000,000
- Order positive and negative integers, decimals and fractions

- Round any whole number to a required degree of accuracy
- Round numbers and measures to different degrees of accuracy

1	2	3	4	5	6	7	8	9
10	20	30	40	50	60	70	80	90
100	200	300	400	500	600	700	800	900
1,000	2,000	3,000	4,000	5,000	6,000	7,000	8,000	9,000
10,000	20,000	30,000	40,000	50,000	60,000	70,000	80,000	90,000



+ problem solving

### YEAR 5

### YEAR 6