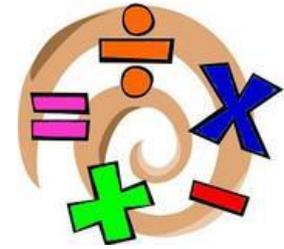




Number and calculations



By the end of Year 3.....

To know and use numbers:

- ✓ I can count in multiples of 2, 3, 4, 5, 8, 10, 50 and 100.
- ✓ I can find 10 or 100 more or less than a given number.
- ✓ I can read and write numbers up to 1000 in numerals and words.
- ✓ I can read Roman numerals on a clock.
- ✓ I can compare and order numbers up to 1000.
- ✓ I can recognise the place value of each digit in a two and three-digit whole number.
- ✓ I can round any number to the nearest 10.
- ✓ I can solve number and practical problems with increasingly large positive numbers (to at least 1000).

To add and subtract:

- ✓ I can use the correct written methods to add and subtract numbers up to three-digits (column and number line methods)
- ✓ I can mentally add and subtract three-digit numbers and ones.
- ✓ I can mentally add and subtract three-digit numbers and tens.
- ✓ I can mentally add and subtract three-digit numbers and hundreds.
- ✓ I can solve one-step problems using number facts and place value.
- ✓ I can solve simple missing number problems using number facts and place value.
- ✓ I use inverse operations to check answers to a calculation.

To multiply and divide:

- ✓ I can recall multiplication and division facts for the multiplication tables: 2, 3, 4, 8 and 10.
- ✓ I can multiply and divide two-digit numbers by 2, 3, 4 and 5 using known facts.
- ✓ I can write and calculate simple multiplication and division statements mentally.
- ✓ I can solve simple problems, involving multiplying and dividing (including missing number problems, measuring and scaling).
- ✓ I can find division facts from a known multiplication fact and vice versa to check my answers

## To use fractions:

- ✓ I can recognise, find and write simple fractions (parts of a whole, numbers and of shapes).
- ✓ I can add and subtract fractions with the same denominator within one whole e.g.  $\frac{2}{7} + \frac{3}{7} = \frac{5}{7}$ .
- ✓ I can identify fractions that are equivalent to  $\frac{1}{2}$ .
- ✓ I am beginning to identify families of common equivalent fractions, using diagrams.
- ✓ I can represent  $\frac{1}{2}$  and  $\frac{1}{4}$  as a fraction, decimal and percentage.
- ✓ I can order unit fractions and fractions with the same denominators.
- ✓ I can count up and down in tenths and understand how tenths arise.
- ✓ I understand how to round decimals to the nearest whole number.
- ✓ I can find the effect of dividing a one-or two-digit number by 10 (identifying the value of the digits in the answer).
- ✓ I am beginning to solve simple measure and money problems involving fractions.