

MATHS

Number: Place Value (Week 1-2)

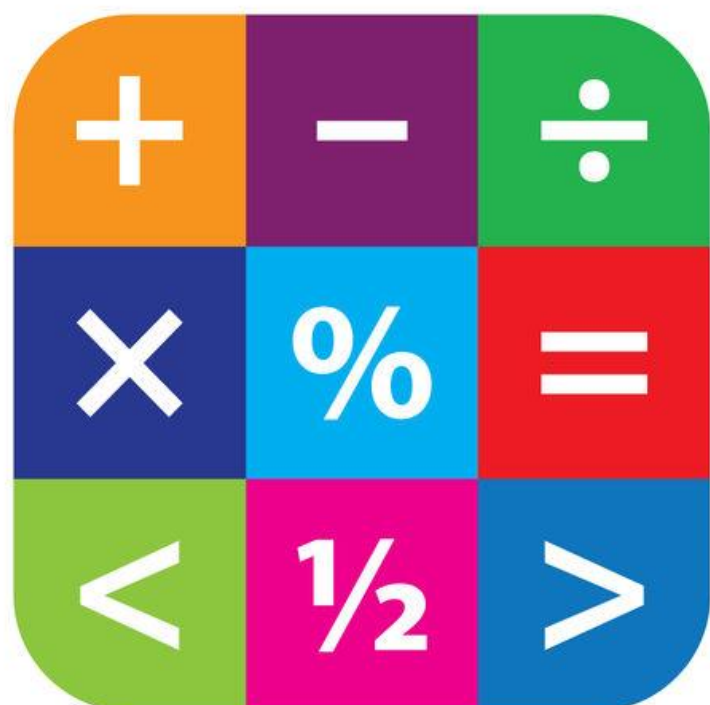
- Read, write, order and compare numbers up to 10 000 000 and determine the value of each digit.
 - Round any whole number to a required degree of accuracy.
- Use negative numbers in context, and calculate intervals across zero.
- Solve number and practical problems that involve all of the above

Number- addition subtraction, multiplication + division (Week 3-6)

- Solve addition and subtraction multi step problems in contexts, deciding which operations and methods to use and why.
- Multiply multi-digit number up to 4 digits by a 2 digit number using the formal written method of long multiplication.
- Divide numbers up to 4 digits by a 2 digit whole number using the formal written method of long division, and interpret remainders as whole number remainders, fractions or by rounding as appropriate for the context.
- Divide numbers up to 4 digits by a 2 digit number using the formal written method of short division, interpreting remainders according to context.
 - Perform mental calculations, including with mixed operations and large numbers.
 - Identify common factors, common multiples and prime numbers.
- Use their knowledge of the order of operations to carry out calculations involving the four operations.
 - Solve problems involving addition, subtraction, multiplication and division.
- Use estimation to check answers to calculations and determine in the context of a problem, an appropriate degree of accuracy.

Fractions (Week 7 – 12)

- Use common factors to simplify fractions; use common multiples to express fractions in the same denomination.
- Compare and order fractions, including fractions > 1
- Generate and describe linear number sequences (with fractions)
- Add and subtract fractions with different denominations and mixed numbers, using the concept of equivalent fractions.
- Multiply simple pairs of proper fractions, writing the answer in its simplest form [for example $x =$]
- Divide proper fractions by whole numbers [for example $\div 2 =$]
- Associate a fraction with division and calculate decimal fraction equivalents [for example, 0.375] for a simple fraction [for example]
- Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts.



MENTAL MATHS

- Add two 1-place decimal numbers or two 2-place decimal numbers less than 1 ($4.5 + 6.5$ or $0.74 + 0.33$)
- Count forward and backward with positive and negative numbers through zero.
 - Know all multiplication tables to 12x. Apply and extend
 - Derive quickly and without difficulty, number bonds to 1000
- Use number bonds to 1 and 10 to perform mental subtraction of any pair of one-place