

Number and Place Value

Using mental maths skills I am learning to:

Read, write, order and compare numbers to at least 10,000,000 knowing the value of each digit

Count forwards or backwards in steps of powers of 10 for any given number up to 1,000,000

Use negative numbers in context and calculate intervals across zero.

Round any number up to a required degree of accuracy

Multiplication and Division

All times tables
up to 12×12
and division facts (Y4)

Multiply and divide numbers
mentally using known facts

Multiply and divide whole numbers and
decimals by 10, 100, 1000 and 10,000

Fractions

Read, write, compare and order numbers with up to 3 decimal places

Multiply and divide numbers by 10, 100, 1000 giving answers to 3 decimal places.

Round 3 place decimals to the nearest whole number and to 2 decimal places.

Convert fractions to decimals or percentages

Convert improper fractions to mixed numbers and vice versa (Y5)

Simplify fractions by cancelling

Add and subtract fractions with different denominators using equivalent fractions

Multiply proper fractions writing an answer in its simplest form

Divide proper fractions writing an answer in its simplest form



MATHS MAT 6



Addition and Subtraction

Add and subtract numbers mentally with large numbers, by using partitioning, adjusting, counting up, near doubles

Add and subtract decimals with units or tenths that is nearly a whole number

Multiplication and Division

Identify common multiples and common factors

Prime numbers up to 50
Consolidate knowledge of square numbers

Square roots

Cube numbers

Multiply and divide by 0.1 and 0.01

Measurement

Convert between different units of measure up to 3 decimal places

Solve problems converting units of time.

Algebra

Express missing number problems using algebra