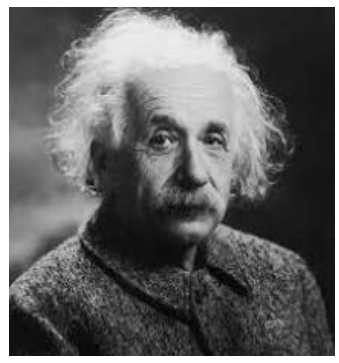
Maths Calculations Learning Journey



$$18b \div 3 = \frac{\cancel{18}^{6}b}{\cancel{3}} = 6b$$

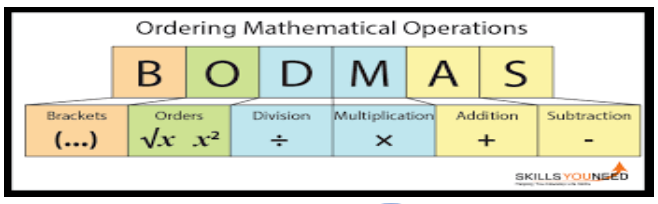
YEAR 7

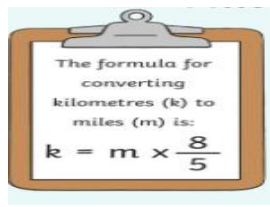
Algebra

Substitute/rearrange/simplify equations

Select appropriate calculation strategies

Interpret a range of algebraic notation





Write and evaluate algebraic expression

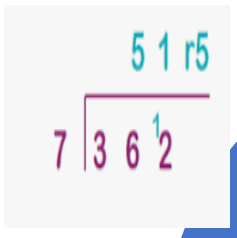
Write and use formulae

Describe a pattern

YEAR 6

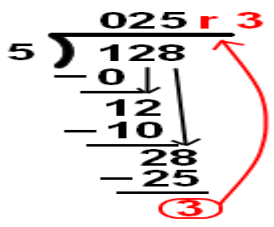
BODMAS ÷

Algebra



Apply knowledge of calculations

Formal method of long division



3/4 digit numbers with remainders

Long multiplication

Factors/ common factors

Formal written methods including multi-digit numbers to 1 million

With and without remainders

1, 2, 3 digit numbers by 10/100/1000

Square/cube numbers

Prime numbers

Multiples

Using a range of methods

YEAR 5

X - + ÷

YEAR 4

Formal methods for all introduced

By 3, 4, 8 , 6 and 9

Dividing 2 digit numbers

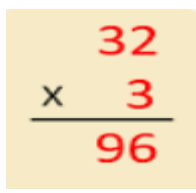
Mental strategies

By 7, 11 and 12 and all previous (3,4, 8, 6, 9)

Three numbers

Subtract a 3 digit number from another

Multiply 2 digit numbers by 1 digit numbers



Sum/total

Estimating

Bar modelling

YEAR 3

X ÷ + -

Add two 3 digit numbers

Known linked facts

Subtract a 2 digit number from another

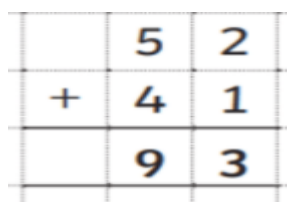
Add three 1 digit numbers

Formal method of + and – introduced

Divide by 2, 5, 10 (3 and 4)

Repeated addition

2, 5, 10 (3 and 4) times tables



Add two 2 digit numbers

YEAR 2

Make and use number bonds

Known linked + and - facts

Subtract by crossing out/counting back

Add by counting on

Solve multi-step problems

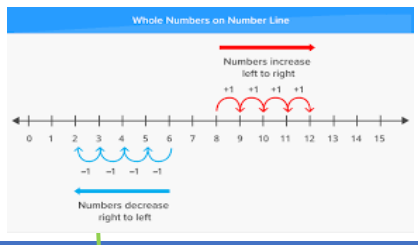
Make equal groups

Count in groups of 2, 5 and 10

Make doubles

Sharing/equal groups

YEAR 1



Number line subtraction

Number line addition

Addition/subtraction

Halve (objects/shapes)

Double amounts (objects)

Removing objects

Simple subtraction sentences

Simple addition sentences

Different ways to make 5/10

Combining parts

EYFS

0-5/10

Ways to make a number