



Name \_\_\_\_\_



VI

# Essentials

I can read, write, order and compare numbers up to 10, 000, 000 and determine value of each digit.

I use estimation to check answers and determine an appropriate degree of accuracy.

I can multiply with a formal method:  
3-d x 2-d  
4-d x 2-d  
U.th x whole num

I can recall and use equivalences between fractions, decimals and percentages.

I can divide using formal method:  
4-d ÷ 2-d and interpret remainders.

I can read, write and convert between standard units of length, mass, volume and time.

I can solve addition and subtraction multi-step problems.

I can round whole numbers to all powers of 10 up to a million.

## Number and calculation

I can use negative numbers in context and calculate intervals across zero.

I can identify common factors, common multiples and prime numbers.

I can use knowledge of order of operations to calculate all 4 operations.

## Algebra

I can use simple formulae [for example to calculate area and volume].

I can express missing number problems algebraically.

I can generate and describe linear number sequences.



## Fractions, decimals & %

I use common factors to simplify fractions.

I can compare and order fractions, including fractions  $>1$

I can add and subtract fractions with different denominators

I can multiply simple pairs of fractions.

I can divide fractions by whole numbers.

I can calculate percentages of amounts.

## Geometry

I can illustrate and name parts of circles: radius, diameter and circumference.

I can find unknown angles in triangles, quadrilaterals, regular polygons, at a point and on a straight line.

I can solve problems involving similar shapes where the scale factor is known or can be found.

I can draw, translate and reflect simple shapes.

I can calculate the area of parallelograms and triangles.

I can calculate and estimate volume of cubes and cuboids.

I can describe coordinate positions using all 4 quadrants.

## Ratio and proportion

I can solve ratio and proportion problems.

## Measurements

I can convert between miles and kilometres.

## Statistics

I can interpret and construct pie charts and line graphs.

I can calculate and interpret the mean as an average.