

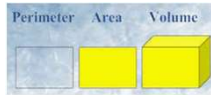


Term 1 at Kings, all students will study:
Place Value,
Rounding
Use of a calculator
Pythagoras
4 operations with negative numbers and decimals,
BIDMAS,
Indices
Standard form

Kings Y9



Constructions



Perimeter, Area and Volume

Percent Proportion
 $\frac{\text{percent}}{100} = \frac{\text{part}}{\text{whole}}$
 $\frac{60}{100} = \frac{3}{5}$

Understanding multiplicative relationships: percentages and proportionality

LINEAR EQUATION
 $12x - 8 = 40$
 $x = 4$

Solving Linear Equations

ARITHMETIC SEQUENCE
-6, 1, 8, 15, 22
+7 +7 +7 +7

Sequences

Graphical representations of linear relationships

Estimation and Rounding

Rounding Numbers
2349 → 2400
2349 → 2300

Year 8

Geometrical Properties: Polygons

Statistical representations, measures and analysis



Perimeter and Area

Multiplicative relationships: Fractions and Ratio

Length
millimetre (mm)
centimetre (cm)
metre (m)
kilometre (km)



Expressions and Equations

Arithmetic procedures with integers and decimals

Plotting Co-ordinates

Arithmetic procedures including Fractions

Transformations

Properties of Number: Factors, Multiples, Squares and Cubes

$$\frac{2}{3} + \frac{1}{4}$$



Ratio & Proportion

Scale Factor



Statistics

Year 7

Place Value

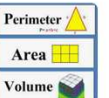
Solving problems with two unknowns

Calculating using knowledge of structures (1)



Calculating Mean

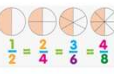
average = $\frac{\text{sum of values}}{\text{number of values}}$



Area, Perimeter, position and direction

Year 6

Numbers up to 10,000,000



Fractions and Percentages inc +/- & x/÷

Number and Place Value

Number Facts

Fractions

Multiplication and Division



Draw, compose, and decompose shapes

Operating on Number

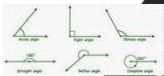
Multiplicative Reasoning

Multiplication and Division

Ratio & Proportion

Geometry

Statistics



Angles

Factors, Multiples & Primes

Area & Scaling

Number Facts

1 000 000s	100 000s	10 000s	1 000s	100s	10s	1s
***	**	*		****	**	*
3	2	1	0	4	2	1

Number & Place Value

Converting Units

Fractions

$$\frac{1}{5} \quad \frac{1}{3} \quad \frac{1}{11} \quad \frac{1}{4} \quad \frac{1}{8}$$

Calculating with decimals



Negative Numbers

Money

Year 5