

Topic Description – Term1

Construction

Use a protractor to draw acute and obtuse angles
Construct triangle1(ASA, SAS)
constructing triangle2(SSS)
Use bearings to specify a direction

Sequences

Identify and use term to term rules
Generate sequences using term to term rules
Find and use position to term rule
Find and use the nth term

Multiplicative thinking(Ratio and Proportions)

Understand and use ratio notation including reduction to simplest form
Dividing an amount in a given ratio
solve problems involving ratio
Use multipliers to solve a ratio and proportion problems
Solving problems involving direct proportion including financial problems

Topic Description – Term2

Measures, Perimeter and Area

Convert between metric units and imperial units
Find the area of rectangle by using the formula
Find the area of the triangle by using the formula
Find the area of a parallelogram by using the formula
Calculate the circumference of a circle by using the formula

Expression, Formulae and Equations

Simplify expressions by collecting like terms
Expand brackets
Substitute values into expressions with brackets and formulae

Equations

Solve one step equations using inverses and balancing
Solve two step equations
Form equations from word problems

Topic Description – Term3

Fractions , decimals and percentages

Add and subtract fractions with the same denominator
Add and subtract fractions with the same denominator
Add and subtract fractions with the different denominators
Find a fraction of a quantity
Multiply and divide integers by fractions
Convert fractions to decimals and compare them
Solve problems involving percentages)

Graphs

Identify and draw horizontal and vertical lines on a graph.
Construct tables of values for graphs
Draw and understand straight line graphs
read and interpret real life graphs
Understand and draw time series graphs

Probability

Understand and use the probability scale from 0 -1
Find probabilities for mutually exclusive events
Find probabilities for based on equally likely outcomes.
Use a sample - space diagram to show the possible outcomes of two events
Find and interpret probabilities based on experimental data
Use Venn diagrams to find probability