

Topic Description – Term1
Sequences
Continue a sequence of numbers
Use a rule to find the numbers of a sequence
Find a rule to describe a sequence of numbers
Generate sequences from sequences of shapes
Factors and multiples
Find factors and multiples of a number
Recognise prime number
Find the LCM and HCF of a pair of numbers
Angles
Recognise and name the different types of angle.
Measure and draw angles to the nearest degree and lines to the nearest mm
Use angle facts to work out unknown angles
Measuring the bearing of one point from another.
Ratio and Proportion(Multiplicative thinking)
Write a proportion as a fraction
Increase or decrease two quantities using direct proportion
Understand and use ratio notation including reduction to simplest form
Use ratio to compare two quantities.
Use ratio and proportion to solve problems.
Expressions and Formulae
Use letter to stand for unknown
Simplify an expression
Use and write formula

Topic Description – Term2
Area and Perimeter
To find the perimeter of 2D (including compound shapes)
Find area rectangle and triangle(including compound shapes)
Find area of parallelogram
Use and convert between metric units.
Negative Numbers
Recap of negative numbers
Learn and use the rules of using negative numbers with the four operations(Addition,subtraction,multiplication and division
Use negative numbers in practical problems(including substitute negative integers into a range of expressions)
Transformations and Symmetry
Draw and describe reflections, rotations, translations and enlargement
Recognise and describe reflectional symmetry and rotational symmetry
Tessellate shapes
Fractions
Use fraction to describe parts of a whole
Find equivalent fractions including simplify fractions
Ordering fractions
Convert between mixed numbers and improper fractions
Find fractions of whole amounts
Add and subtract fractions with (same and different denominators)
Multiply and divide fractions

Topic Description – Term3

Equations

Solve linear equation with unknown on one side(one step and two steps)

Write equations to describe different situations and then solve them

Percentages

Find percentages of amounts

Write amount as percentages(Be aware of which number to consider as 100 percent)

Find the outcome of a percentage increase or decrease

Problems solving involving percentages

Statistics

Understand and draw different types of bar chart.

Understand pie charts

Understand and draw line graphs

Calculate averages(mean, mode and median) and range of data sets

Criticise questionnaires

Use tally charts to draw frequency tables

Compare sets of data