Topic Description – Term1
Sequences
Find patterns in sequences of numbers
Describe a sequence using a rule t find the next term
Generate sequences from sequences of shapes
Factors and multiples
Recognise and list factors and multiples
Use simple tests of divisibility
Recognise squares numbers up to 10 X10
Angles
Estimate angles and use a protractor to measure them
Distinguish between acute, obtuse and reflex angles
Use the sum of angles at a point, on a straight line and in a triangle
Ratio and Proportion(Multiplicative thinking)
Write and use ratios and proportions
Solve simple problems involving ratio and proportion
Solve arithmetic problems in context
Construct and interpret scale drawings
Expressions and Formulae
Use letter to stand for unknown
Simplify an expression
Substitute whole numbers into expressions and formulae

Topic Description – Term2
Area and Perimeter
Measure lengths in centimetres and millimetres
To find the perimeter of 2D (including compound shapes)
Calculate and estimate the area of a shape by counting squares
Select and use standard metric units of measure.
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)
Assessed Homework
topic test
Transformations and Symmetry
Draw and describe reflections, rotations, translation and Enlargement
Identify lines of symmetry in a 2D shape
Create tessellation using reflections, rotations and reflections.
Fractions
Use fraction to describe parts of a whole, including improper fractions
Identify equivalents fractions
Order fractions
Find fractions of whole amounts
Add and subtract fractions with (same and different denominators) basic examples
Multiply and divide fractions

Topic Description – Term3

Equations
Represent functions as sequences of operations
Understand and use inverse operations
Solve linear equation with unknown on one side
Construct and solve simple linear equations
Assessed Homework

Percentages
Find percentages of amounts
Write amount as percentages(Be aware of which number to consider as 100 percent)
Problems solving involving percentages

Statistics
Plan how to collect and organise small sets of data from surveys and experiments
Solve problems by interpreting data in lists and tables
Construct and interpret statistical diagrams, including pictograms, bar charts, pie charts and line graph
Calculate statistics for small sets of data, including the mode, median, mean and range.