

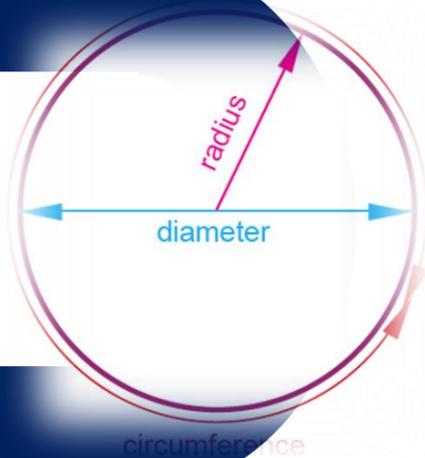
Summer 2

Transformations:

- Understanding what makes shapes congruent. Identifying, describing and constructing congruent shapes.
- Understanding rotation and reflection, and performing these actions with a variety of shapes.
- Translating and enlarging shapes using scale factors.

Sequences and Graphs:

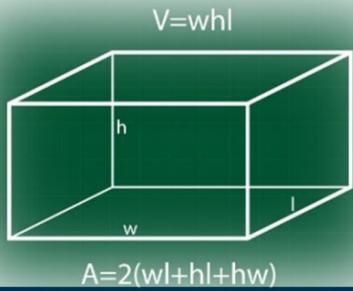
- Working with co-ordinates in all quadrants.
- Plotting straight line graphs.
- Finding the rule of a sequence and continuing a sequence.



Summer 1

Lines and Angles:

- Using the correct vocabulary to describe the properties of shapes and angles.
- Understanding and using the sum of angles at lines and points.
- Understanding and calculating with the sum of angles in triangles and other shapes.



Spring 2

Probability:

- Understanding and using the sum of probabilities.
- Using the language of probability.
- Working with and labelling a probability scale.

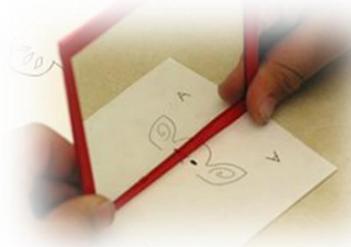
Ratio and Proportion:

- Using ratio notation and simplifying ratios.
- Dividing quantities into ratios.

Spring 1

Fractions:

- Identifying equivalent fractions and simplifying fractions.
- Finding fractions of amounts.
- Converting between fractions, decimals and percentages.
- Adding and subtracting fractions. Calculating percentages of amounts.



Autumn 2

Algebra:

- Understanding algebraic notation and substituting numbers into formulae.
- Collecting like terms and removing common factors.
- Expanding and factorising equations.
- Simplifying expressions.



Autumn 1

Number Skills:

- Ordering positive and negative numbers.
- Calculating with all 4 operations and using the inverse rules.
- Calculating with decimals and working with fractions including mixed numbers.
- Understanding and working with multiples, factors and primes.



A BASELINE IS A MUST

Students progress through graded steps and KPIs in each topic area. Starting points and target grades are determined by baseline tests on entry.