Mathematics
Year 9

THE WESTLEIGH SCHOOL
Aspiring & Achieving Together

Fractions & Percentages

- Fractions, decimal & percentages review U888, U594, U881, U916, U554, U349, U533
- Percentage change U773, U671, U286, U278

Decimal, Denominator, Fraction, Improper Fraction, Numerator, Percentage, Simplest Form

Probability

- Theoretical probability U166, U280
- Experimental probability U580

Chance, Experimental, Probability, Theoretical

Standard Form

- Calculations with standard form U264, U290
- Standard from with a calculator U161

Index, Power, Standard Form

Constructions

- Constructing bisectors of angles U787
- Constructing perpendicular bisectors & lines U245

Bisect, Construct, Perpendicular

Rounding

- Error intervals U657
- Truncating decimals U108, U301

Error interval, Rounding, Significant Figures, Truncate

Equations & Formulae

- Linear inequalities U738, U145, U337
- Factorising quadratics U178, U963
- Solving quadratics U228
- Rearranging formulae U556

Change the subject, Equations, Expand, Factorise, Quadratic, Rearrange, Solve

Circles

- Arcs & sectors U221, U373
- Cylinders U464, U915

Arc, Circle, Circumference, Cylinder, Sector

3D Shapes

- Representations of 3D shapes U719
- Plans & elevations U743

2D, 3D, Elevation, Plan, Scale, View, Net

Compound Measures

- Speed & rates U151, U256
- Distance-time graphs U403, U914, U462, U966

Acceleration, Speed, Compound Measure

Sparx Codes

Linear Graphs

- Finding equations of linear graphs U315
- Interpreting equations of linear graphs U669

Axis, Linear, Frequency, Equation, Variable

Ratio & Proportion

- Ratio simplifying and sharing U687, U577
- Direct and inverse proportion U721, U357
- Currency conversion U610

Ratio, Proportion, Direct, Inverse, Simplify, Equivalent, Convert

Pythagoras' Theorem

- Use Pythagoras' Theorem in 2D U385

Square, Root, Pythagoras' Theorem, Surd, Pythagorean Triple

Quadratic Graphs

- Plotting quadratic graphs U989
- Interpreting quadratic graphs U667
- Solving quadratic equations graphically U601

Quadratic, Root, Solve, Plot, Variable, Axis

Angles

- Angles in parallel lines U665, U826
- Angles in polygons U329, U427
- Bearings U525, U107

Acute, Bearing, Clockwise, North, Polygon, Reflex, Obtuse, Regular, Parallel, Perpendicular, Complementary, Alternate, Corresponding, Co-interior

Vectors

- Column vectors U632, U903, U564
- Parallel vectors U660

Vector, Parallel, Translation

Transformations

- Rotation U696
- Enlargement U519
- Mixed transformations M881

Reflection, Rotation, Enlargement, Translation, Vector, Angle, Line of Symmetry, Scale Factor, Transformation

Similarity & Congruence

- Similarity U551, U578
- Congruence U790, U866
- Constructing triangles U187

Congruent, Similar, Scalene, Equilateral, Isosceles, Right Angle

Handling Data & Statistical Diagrams

- Collecting & presenting data U322, U520, U717
- Scatter graphs U199, U277, U128
- Grouped data U312, U877, U840

Quantitative, Qualitative, Continuous Discrete, Grouped, Frequency, Line of Best Fit, Scatter Graph, Survey

Mathematics
Year 10