Mathematics
Year 8

Sparx Codes

THE WESTLEIGH SCHOOL
Aspiring & Achieving Together

Percentages
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- Percentage change M476, M533

Percentage, Multiplier, Simple Interest

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- Simplifying Expressions M120, M568

Cube Numbers, Indices, Reciprocal, Square Numbers, Square Root

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- Construct & solve equations M957

Brackets, Equation, Formula, Terms, Solutions

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- Position-to-term rules M166, M991, M866

Nth term, Sequence, Substitution

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- Converting between ratios fractions & percentages M267
- Using equivalent ratios M801
- Sharing amounts in a given ratio M525
- Scale diagrams M112

Equivalent, Fraction, Percentage, Ratio, Scale, Simplest form

Money
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Best buy, Proportion, Value

Rounding
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- Estimating M878

Estimate, Round, Significant Figure

Venn Diagrams
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- Finding the HCF & LCM using prime factor decomposition M365

Factor, Highest Common Factor, Multiple, Lowest Common Multiple, Prime Number, Prime Factor, Venn Diagram

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- Nets M518
- Surface area of prisms M884, M534, M661
- Volume of prisms M765, M722
- Converting units of volume M465

Cube, Cuboid, Cylinder, Net, Prism, Surface Area, Volume

Standard Form
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Indices, Power, Standard Form

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- Converting units of area M728
- Parts of circles M595
- Circumference & area of circles M169, M231

Area, Circle, Circumference, Pi, In terms of

Coordinates
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- Solving shape problems involving coordinates M230

Coordinate, midpoint

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- Plotting graphs M932
- Finding equations M544

Axis, Gradient, Intercept, Horizontal, Linear, Plot, Vertical

Transformations
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- Reflection M290

Line of Reflection, Mirror Line, Reflection, translation, Vector

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Greater than, Equal, Inequality, Less than, Solution Set

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Class Interval, Continuous, Discrete, Frequency, Interval, Tally

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- Simplifying algebraic fractions M754
- Adding & subtractions algebraic fractions M336

Equivalent fractions, Simplest form

Recurring Decimals
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Decimal, Recurring

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- Angles in parallel lines M606
- Angles in polygons M653

Acute, Alternate, Angle, Complementary, Corresponding, Interior, Exterior, Obtuse, Reflex, Supplementary

Brackets
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Brackets, Expand, Simplify

Mathematics
Year 9