

# KS3 Maths Revision



# Themes

Number

Algebra

Ratio, Proportion, Rates of change

Geometry and measures

Probability

Statistics



# Number

Negative numbers

Fractions

Decimals

Place Value

Order of operations

Multiples, factors and primes

Indices

Standard Form

Estimation

Rounding

Error Intervals



# Negative numbers

Topic	Video	Worksheet	Answers
Negative numbers	<a href="https://www.mathsgenie.co.uk/negativenumbers.php">https://www.mathsgenie.co.uk/negativenumbers.php</a>	<a href="https://www.mathsgenie.co.uk/resources/1-negative-numbers.pdf">https://www.mathsgenie.co.uk/resources/1-negative-numbers.pdf</a>	<a href="https://www.mathsgenie.co.uk/resources/1-negative-numbersans.pdf">https://www.mathsgenie.co.uk/resources/1-negative-numbersans.pdf</a>

# Fractions

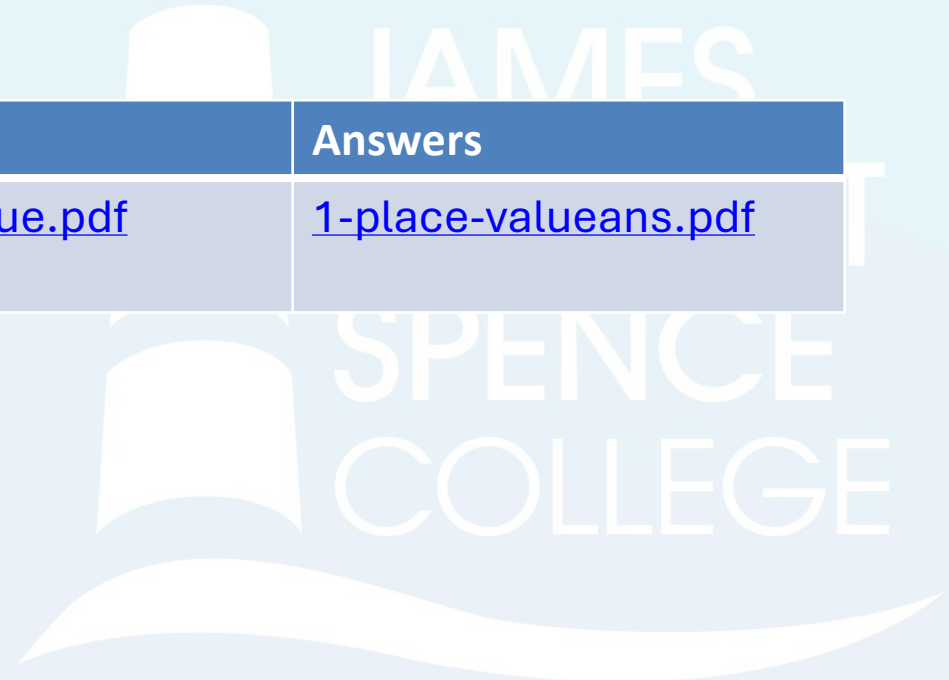
Topic	Video	Worksheet	Answers
Writing, simplifying and ordering fractions	<a href="#">Maths Genie • Writing, Simplifying and Ordering Fractions</a>	<a href="#">2-writing-simplifying-and-ordering-fractions.pdf</a>	<a href="#">2-writing-simplifying-and-ordering-fractionsans.pdf</a>
Fractions of an amount	<a href="#">Maths Genie • Finding a Fraction of an Amount</a>	<a href="#">2-fractions-of-an-amount-ws.pdf</a>	<a href="#">2-fractions-of-an-amountans.pdf</a>
Fractions, decimals and percentages	<a href="#">Maths Genie • Fractions, Decimals and Percentages</a>	<a href="#">2-fractions-decimals-and-percentages.pdf</a>	<a href="#">2-fractions-decimals-and-percentagesans.pdf</a>
Fractions (adding, subtracting, multiplying and dividing).	<a href="#">Maths Genie • Adding, Subtracting, Multiplying and Dividing Fractions</a>	<a href="#">3-fractions.pdf</a>	<a href="#">3-fractionsans.pdf</a>

# Decimals

Topic	Video	Worksheet	Answers
Addition of decimals	<a href="#">Adding Decimals Video – Corbettmaths</a>	<a href="#">Decimals Addition Subtraction</a>	<a href="#">Decimals-Adding-and-Subtracting-Answers.pdf</a>
Subtraction of decimals	<a href="#">Subtracting Decimals Video – Corbettmaths</a>	<a href="#">Decimals Addition Subtraction</a>	<a href="#">Decimals-Adding-and-Subtracting-Answers.pdf</a>
Multiplying decimals	<a href="#">Multiplying decimals Video – Corbettmaths</a>	<a href="#">Decimals Multiplying Dividing</a>	<a href="#">Multiplying-Dividing-Decimals-Answers.pdf</a>
Ordering decimals	<a href="#">Ordering Decimals Video – Corbettmaths</a>	<a href="#">Ordering Decimals</a>	<a href="#">Ordering-Decimals-Answers.pdf</a>

# Place Value

Topic	Video	Worksheet	Answers
Place Value	<a href="#">Maths Genie • Place Value</a>	<a href="#">1-place-value.pdf</a>	<a href="#">1-place-valueans.pdf</a>



# Order of operations

Topic	Video	Worksheet	Answers
BIDMAS	<a href="#">Maths Genie • The Order of Operations (BIDMAS)</a>	<a href="#">1-the-order-of-operations.pdf</a>	<a href="#">1-the-order-of-operationsans.pdf</a>



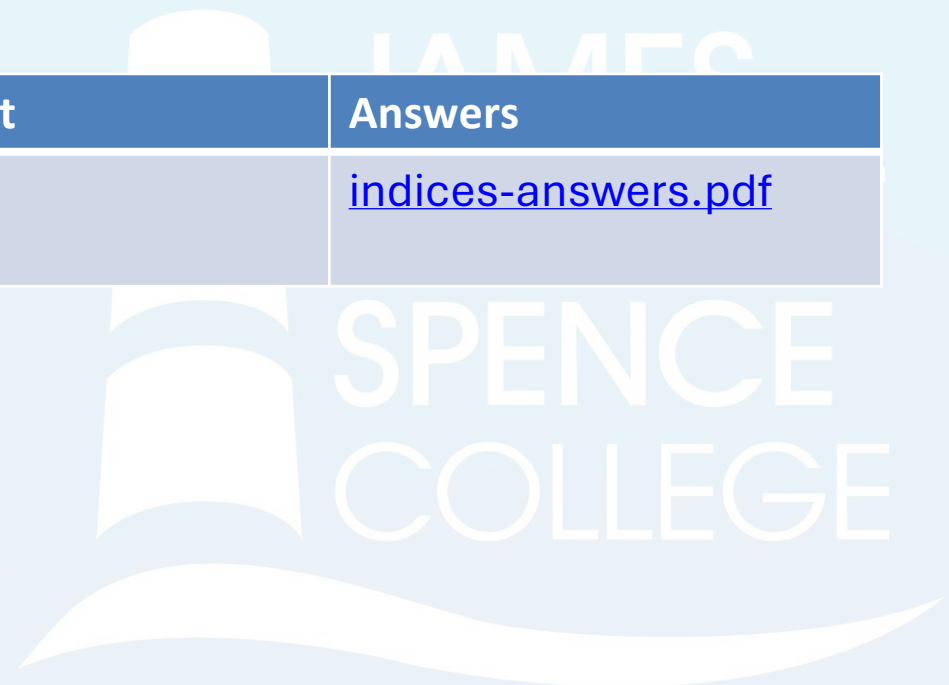
# Factors, multiples and primes

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Topic	Video	Worksheet	Answers
Factors, multiples and primes	<a href="#">Maths Genie • Factors, Multiples and Primes</a>	<a href="#">1-factors-multiples-and-primes.pdf</a>	<a href="#">1-factors-multiples-and-primesans.pdf</a>
Prime Factors, HCF and LCM	<a href="#">Maths Genie - Revision - The Highest Common Factor (HCF) and The Lowest Common Multiple (LCM)</a>	<a href="#">4-HCF-and-LCM.pdf</a>	<a href="#">4-HCF-and-LCMans.pdf</a>

# Indices

Topic	Video	Worksheet	Answers
Powers and indices	<a href="#">Indices Video – Corbettmaths</a>	<a href="#">Indices</a>	<a href="#">indices-answers.pdf</a>

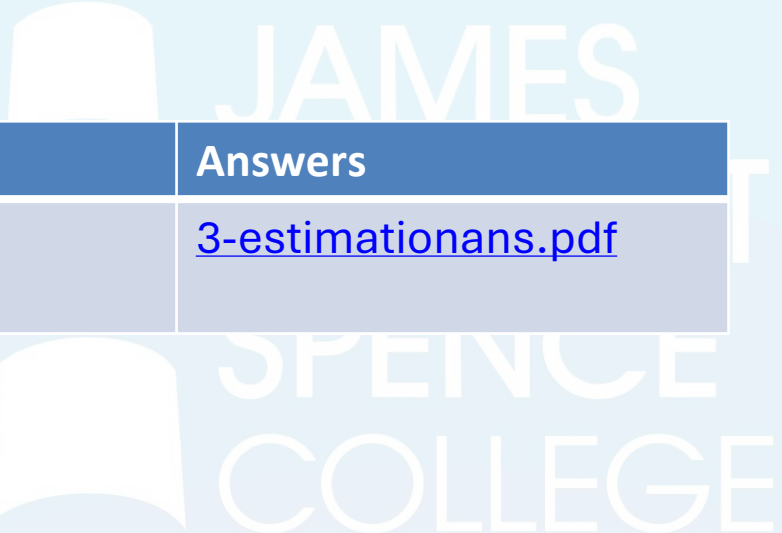


# Standard form

Topic	Video	Worksheet	Answers
Converting standard form	<a href="#">Maths Genie - Revision - Standard Form</a>	<a href="#">5-standard-form.pdf</a>	<a href="#">5-standard-formans.pdf</a>
Adding numbers in standard form	<a href="#">Maths Genie - Revision - Standard Form</a>	<a href="#">5-standard-form.pdf</a>	<a href="#">5-standard-formans.pdf</a>
Multiplying and dividing numbers in standard form	<a href="#">Maths Genie - Revision - Standard Form</a>	<a href="#">5-standard-form.pdf</a>	<a href="#">5-standard-formans.pdf</a>
Standard form	<a href="#">Maths Genie - Revision - Standard Form</a>	<a href="#">5-standard-form.pdf</a>	<a href="#">5-standard-formans.pdf</a>

# Estimation

Topic	Video	Worksheet	Answers
Estimating calculations	<a href="#">Maths Genie • Estimating Answers</a>	<a href="#">3-estimation.pdf</a>	<a href="#">3-estimationans.pdf</a>



# Rounding

Topic	Video	Worksheet	Answers
Rounding	<a href="https://www.mathsgenie.co.uk/rounding.php">https://www.mathsgenie.co.uk/rounding.php</a>	<a href="https://www.mathsgenie.co.uk/resources/1-rounding-ws.pdf">https://www.mathsgenie.co.uk/resources/1-rounding-ws.pdf</a>	<a href="https://www.mathsgenie.co.uk/resources/1-roundingans.pdf">https://www.mathsgenie.co.uk/resources/1-roundingans.pdf</a>

# Error Intervals

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Topic	Video	Worksheet	Answers
Error Intervals	<a href="https://corbettmaths.com/2017/12/16/error-intervals/">https://corbettmaths.com/2017/12/16/error-intervals/</a>	<a href="https://corbettmaths.com/wp-content/uploads/2023/05/Error-Intervals.pdf">https://corbettmaths.com/wp-content/uploads/2023/05/Error-Intervals.pdf</a>	<a href="https://corbettmaths.com/wp-content/uploads/2023/05/Error-Intervals-Answers.pdf">https://corbettmaths.com/wp-content/uploads/2023/05/Error-Intervals-Answers.pdf</a>

# Algebra

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# Algebraic Notation

Topic	Video	Worksheet	Answers
Forming algebraic expressions	<a href="#">Algebraic Notation Video – Corbettmaths</a>	<a href="#">Forming Expressions Exercise 16</a>	<a href="#">Algebra-forming expressions</a>



# Substitution



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Topic	Video	Worksheet	Answers
Substitution	<a href="#">Maths Genie • Substitution</a>	<a href="#">3-substitution.pdf</a>	<a href="#">3-substitutionans.pdf</a>



COLLEGE

# Collecting like terms

Topic	Video	Worksheet	Answers
Simplifying algebraic expressions	<a href="#">Maths Genie • Simplifying Algebra</a>	<a href="#">2-simplifying-algebra.pdf</a>	<a href="#">2-simplifying-algebraans.pdf</a>

# Expanding single brackets

Topic	Video	Worksheet	Answers
Expanding single brackets	<a href="#">Maths Genie - Revision - Expanding and Factorising</a>	<a href="#">4-expanding-and-factorising.pdf</a>	<a href="#">4-expanding-and-factorisingans.pdf</a>

# Expanding double brackets

Topic	Video	Worksheet	Answers
Expanding quadratics	<a href="#">Maths Genie - Revision - Expanding and Factorising Quadratics</a>	<a href="#">5-expanding-and-factorising-quadratics.pdf</a>	<a href="#">5-expanding-and-factorising-quadraticsans.pdf</a>

# Factorising - single bracket

Topic	Video	Worksheet	Answers
Factorising into single brackets	<a href="#">Maths Genie - Revision - Expanding and Factorising Quadratics</a>	<a href="#">4-expanding-and-factorising.pdf</a>	<a href="#">4-expanding-and-factorisingans.pdf</a>

# Factorising – double brackets

Topic	Video	Worksheet	Answers
Factorising quadratics	<a href="#">Maths Genie - Revision - Expanding and Factorising Quadratics</a>	<a href="#">5-expanding-and-factorising-quadratics.pdf</a>	<a href="#">5-expanding-and-factorising-quadraticsans.pdf</a>

# Index Laws

Topic	Video	Worksheet	Answers
Indices	<a href="#">Maths Genie - Revision - Indices</a>	<a href="#">4-indices.pdf</a>	<a href="#">4-indicesans.pdf</a>

# Changing the subject of a formula

Topic	Video	Worksheet	Answers
Changing the subject to a formula	<a href="#">Maths Genie - Revision - Changing the Subject of a Formula</a>	<a href="#">5-changing-the-subject.pdf</a>	<a href="#">5-changing-the-subjectans.pdf</a>



# Solving equations

Topic	Video	Worksheet	Answers
Solving one- step equations	<a href="#">Maths Genie • Solving One Step Equations</a>	<a href="#">3-solving-one-step-equations.pdf</a>	<a href="#">3-solving-one-step-equationsans.pdf</a>
Solving two-step equations	<a href="#">Maths Genie • Solving Equations</a>	<a href="#">3-solving-equations.pdf</a>	<a href="#">3-solving-equationsans.pdf</a>

# Straight line graphs

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Topic	Video	Worksheet	Answers
Drawing straight line graphs	<a href="https://www.mathsgenie.co.uk/lineargraphs.php">https://www.mathsgenie.co.uk/lineargraphs.php</a>	<a href="https://www.mathsgenie.co.uk/resources/3-linear-graphs.pdf">https://www.mathsgenie.co.uk/resources/3-linear-graphs.pdf</a>	<a href="https://www.mathsgenie.co.uk/resources/3-linear-graphsans.pdf">https://www.mathsgenie.co.uk/resources/3-linear-graphsans.pdf</a>
The equation of a straight line – gradient and intercept	<a href="https://corbettmaths.com/2013/05/29/finding-the-equation-of-a-straight-line/">https://corbettmaths.com/2013/05/29/finding-the-equation-of-a-straight-line/</a>	<a href="https://corbettmaths.com/wp-content/uploads/2013/02/equation-of-a-line-pdf.pdf">https://corbettmaths.com/wp-content/uploads/2013/02/equation-of-a-line-pdf.pdf</a>	<a href="https://corbettmaths.com/wp-content/uploads/2021/04/equation-of-a-line.pdf">https://corbettmaths.com/wp-content/uploads/2021/04/equation-of-a-line.pdf</a>

# Quadratic, cubic and reciprocal graphs

Topic	Video	Worksheet	Answers
Quadratic Graphs	<a href="https://www.mathsgenie.co.uk/quadratic-graphs.php">https://www.mathsgenie.co.uk/quadratic-graphs.php</a>	<a href="https://www.mathsgenie.co.uk/resources/5-quadratic-graphs-ws.pdf">https://www.mathsgenie.co.uk/resources/5-quadratic-graphs-ws.pdf</a>	<a href="https://www.mathsgenie.co.uk/resources/5-quadratic-graphsans.pdf">https://www.mathsgenie.co.uk/resources/5-quadratic-graphsans.pdf</a>
Cubic Graphs	<a href="https://corbettmaths.com/2016/08/07/cubic-graphs/">https://corbettmaths.com/2016/08/07/cubic-graphs/</a>	<a href="https://corbettmaths.com/wp-content/uploads/2013/02/cubic-graphs-pdf.pdf">https://corbettmaths.com/wp-content/uploads/2013/02/cubic-graphs-pdf.pdf</a>	<a href="https://corbettmaths.com/wp-content/uploads/2015/03/cubics-answers.pdf">https://corbettmaths.com/wp-content/uploads/2015/03/cubics-answers.pdf</a>
Reciprocal Graphs	<a href="http://corbettmaths.com/2013/10/24/reciprocal-graphs/">http://corbettmaths.com/2013/10/24/reciprocal-graphs/</a>	<a href="https://corbettmaths.com/2018/04/04/reciprocal-graphs-2/">https://corbettmaths.com/2018/04/04/reciprocal-graphs-2/</a>	<a href="https://corbettmaths.com/2018/04/04/reciprocal-graphs-2/">https://corbettmaths.com/2018/04/04/reciprocal-graphs-2/</a>

# Simultaneous equations



Topic	Video	Worksheet	Answers
Simultaneous equations	<a href="#">Maths Genie - Revision - Simultaneous Equations</a>	<a href="#">5-simultaneous-equations.pdf</a>	<a href="#">5-simultaneous-equationsans.pdf</a>
Solving simultaneous equations graphically	<a href="#">Maths Genie - Revision - Solving Simultaneous Equations Graphically</a>	<a href="#">5-solving-simultaneous-equations-graphically.pdf</a>	<a href="#">5-solving-simultaneous-equations-graphicallyans.pdf</a>

# Solving inequalities

Topic	Video	Worksheet	Answers
Solving inequalities on a number line	<a href="#">Maths Genie - Revision - Writing and Solving Inequalities</a>	<a href="#">4-inequalities.pdf</a>	<a href="#">4-inequalitiesans.pdf</a>
Solving inequalities	<a href="#">Maths Genie - Revision - Writing and Solving Inequalities</a>	<a href="#">4-inequalities.pdf</a>	<a href="#">4-inequalitiesans.pdf</a>

# nth term of linear sequences

Topic	Video	Worksheet	Answers
Types of sequences	<a href="https://youtu.be/2vZAiAHa2GY">https://youtu.be/2vZAiAHa2GY</a>	<a href="#">4-sequences.pdf</a>	<a href="#">4-sequencesans.pdf</a>
Generating sequences	<a href="https://youtu.be/-6O73LQsEmw">https://youtu.be/-6O73LQsEmw</a>	<a href="#">4-sequences.pdf</a>	<a href="#">4-sequencesans.pdf</a>
Finding the Nth term	<a href="https://youtu.be/fifedKPyLLA">https://youtu.be/fifedKPyLLA</a>	<a href="#">4-sequences.pdf</a>	<a href="#">4-sequencesans.pdf</a>
Sequences and finding the Nth term	<a href="https://youtu.be/Tv9ObyQOGAc">https://youtu.be/Tv9ObyQOGAc</a>	<a href="#">4-sequences.pdf</a>	<a href="#">4-sequencesans.pdf</a>

# Ratio, Proportion and Rates of change

[Speed, density and pressure](#)

[Ratio](#)

[Percentages](#)

[Direct and inverse proportion](#)



# Speed, density and pressure

Topic	Video	Worksheet	Answers
Speed, distance and time	<a href="https://corbettmaths.com/2016/01/01/speed-distance-time/">https://corbettmaths.com/2016/01/01/speed-distance-time/</a>	<a href="https://corbettmaths.com/wp-content/uploads/2013/02/speed-distance-time-pdf1.pdf">https://corbettmaths.com/wp-content/uploads/2013/02/speed-distance-time-pdf1.pdf</a>	<a href="https://corbettmaths.com/wp-content/uploads/2016/02/speed-distance-time-answers.pdf">https://corbettmaths.com/wp-content/uploads/2016/02/speed-distance-time-answers.pdf</a>
Density, mass and volume	<a href="https://corbettmaths.com/2016/06/07/density/">https://corbettmaths.com/2016/06/07/density/</a>	<a href="https://corbettmaths.com/wp-content/uploads/2023/04/Density.pdf">https://corbettmaths.com/wp-content/uploads/2023/04/Density.pdf</a>	<a href="https://corbettmaths.com/wp-content/uploads/2023/04/Density-Answers.pdf">https://corbettmaths.com/wp-content/uploads/2023/04/Density-Answers.pdf</a>
Pressure	<a href="https://corbettmaths.com/2016/07/28/pressure/">https://corbettmaths.com/2016/07/28/pressure/</a>	<a href="https://corbettmaths.com/wp-content/uploads/2023/09/Pressure.pdf">https://corbettmaths.com/wp-content/uploads/2023/09/Pressure.pdf</a>	<a href="https://corbettmaths.com/wp-content/uploads/2023/09/Pressure-Answers.pdf">https://corbettmaths.com/wp-content/uploads/2023/09/Pressure-Answers.pdf</a>



# Ratio

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Topic	Video	Worksheet	Answers
Writing and simplifying ratio	<a href="https://www.mathsgenie.co.uk/writing-simplifying-ratio.php">https://www.mathsgenie.co.uk/writing-simplifying-ratio.php</a>	<a href="https://www.mathsgenie.co.uk/resources/3-writing-and-simplifying-ratio.pdf">https://www.mathsgenie.co.uk/resources/3-writing-and-simplifying-ratio.pdf</a>	<a href="https://www.mathsgenie.co.uk/resources/3-writing-and-simplifying-ratioans.pdf">https://www.mathsgenie.co.uk/resources/3-writing-and-simplifying-ratioans.pdf</a>
Sharing in a ratio	<a href="https://www.mathsgenie.co.uk/ratio.php">https://www.mathsgenie.co.uk/ratio.php</a>	<a href="https://www.mathsgenie.co.uk/resources/3-sharing-ratio.pdf">https://www.mathsgenie.co.uk/resources/3-sharing-ratio.pdf</a>	<a href="https://www.mathsgenie.co.uk/resources/3-sharing-ratioans.pdf">https://www.mathsgenie.co.uk/resources/3-sharing-ratioans.pdf</a>

# Percentages

Topic	Video	Worksheet	Answers
Fractions, decimals and percentages	<a href="https://www.mathsgenie.co.uk/FDP.php">https://www.mathsgenie.co.uk/FDP.php</a>	<a href="https://www.mathsgenie.co.uk/resources/2-fractions-decimals-and-percentages.pdf">https://www.mathsgenie.co.uk/resources/2-fractions-decimals-and-percentages.pdf</a>	<a href="https://www.mathsgenie.co.uk/resources/2-fractions-decimals-and-percentagesans.pdf">https://www.mathsgenie.co.uk/resources/2-fractions-decimals-and-percentagesans.pdf</a>
Percentages	<a href="https://www.mathsgenie.co.uk/percentages.php">https://www.mathsgenie.co.uk/percentages.php</a>	<a href="https://www.mathsgenie.co.uk/resources/3-percentages.pdf">https://www.mathsgenie.co.uk/resources/3-percentages.pdf</a>	<a href="https://www.mathsgenie.co.uk/resources/3-percentagesans.pdf">https://www.mathsgenie.co.uk/resources/3-percentagesans.pdf</a>
Reverse percentages	<a href="https://www.mathsgenie.co.uk/reverse-percentages.php">https://www.mathsgenie.co.uk/reverse-percentages.php</a>	<a href="https://www.mathsgenie.co.uk/resources/5-reverse-percentages.pdf">https://www.mathsgenie.co.uk/resources/5-reverse-percentages.pdf</a>	<a href="https://www.mathsgenie.co.uk/resources/5-reverse-percentagesans.pdf">https://www.mathsgenie.co.uk/resources/5-reverse-percentagesans.pdf</a>
Compound interest	<a href="https://www.mathsgenie.co.uk/compound-interest.php">https://www.mathsgenie.co.uk/compound-interest.php</a>	<a href="https://www.mathsgenie.co.uk/resources/4-compound-interest.pdf">https://www.mathsgenie.co.uk/resources/4-compound-interest.pdf</a>	<a href="https://www.mathsgenie.co.uk/resources/4-compound-interestans.pdf">https://www.mathsgenie.co.uk/resources/4-compound-interestans.pdf</a>

# Direct and inverse proportion

Topic	Video	Worksheet	Answers
Direct and inverse proportion	<a href="https://www.mathsgenie.co.uk/proportion.php">https://www.mathsgenie.co.uk/proportion.php</a>	<a href="https://www.mathsgenie.co.uk/resources/5-direct-and-inverse-proportion.pdf">https://www.mathsgenie.co.uk/resources/5-direct-and-inverse-proportion.pdf</a>	<a href="https://www.mathsgenie.co.uk/resources/5-direct-and-inverse-proportionans.pdf">https://www.mathsgenie.co.uk/resources/5-direct-and-inverse-proportionans.pdf</a>

# Geometry and measures

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[Area and perimeter](#)

[Transformations](#)

[Constructions and loci](#)

[Similar shapes](#)

[Congruency](#)

[Parts of a circle](#)

[Volume](#)

[Surface area](#)

[Plans and elevations](#)

[Pythagoras](#)

[Trigonometry](#)

[Exact trig values](#)

[Vectors](#)



# Angles

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Topic	Video	Worksheet	Answers
Angle facts	<a href="#">Maths Genie • Angles</a>	<a href="#">2-angles.pdf</a>	<a href="#">2-anglesans.pdf</a>
Angles in Parallel lines	<a href="https://youtu.be/dur7iN0nwZs">https://youtu.be/dur7iN0nwZs</a>	<a href="https://www.mathsgenie.co.uk/resources/4-angles-in-parallel-lines.pdf">https://www.mathsgenie.co.uk/resources/4-angles-in-parallel-lines.pdf</a>	<a href="https://www.mathsgenie.co.uk/resources/4-angles-in-parallel-linesans.pdf">https://www.mathsgenie.co.uk/resources/4-angles-in-parallel-linesans.pdf</a>
Angles in Polygons	<a href="https://www.mathsgenie.co.uk/angles-polygons.php">https://www.mathsgenie.co.uk/angles-polygons.php</a>	<a href="https://www.mathsgenie.co.uk/resources/4-angles-in-polygons.pdf">https://www.mathsgenie.co.uk/resources/4-angles-in-polygons.pdf</a>	<a href="https://www.mathsgenie.co.uk/resources/4-angles-in-polygonsans.pdf">https://www.mathsgenie.co.uk/resources/4-angles-in-polygonsans.pdf</a>

# Area and perimeter

Topic	Video	Worksheet	Answers
Area and perimeter	<a href="https://www.mathsgenie.co.uk/area-perimeter.php">https://www.mathsgenie.co.uk/area-perimeter.php</a>	<a href="https://www.mathsgenie.co.uk/resources/2-area-and-perimeter-ws.pdf">https://www.mathsgenie.co.uk/resources/2-area-and-perimeter-ws.pdf</a>	<a href="https://www.mathsgenie.co.uk/resources/2-area-and-perimeterans.pdf">https://www.mathsgenie.co.uk/resources/2-area-and-perimeterans.pdf</a>
Area and circumference of circles	<a href="https://www.mathsgenie.co.uk/circles.php">https://www.mathsgenie.co.uk/circles.php</a>	<a href="https://www.mathsgenie.co.uk/resources/3-circles-area-and-circumference-ws.pdf">https://www.mathsgenie.co.uk/resources/3-circles-area-and-circumference-ws.pdf</a>	<a href="https://www.mathsgenie.co.uk/resources/3-circles-area-and-circumferenceans.pdf">https://www.mathsgenie.co.uk/resources/3-circles-area-and-circumferenceans.pdf</a>
Area of compound shapes	<a href="https://www.mathsgenie.co.uk/compound-shapes.php">https://www.mathsgenie.co.uk/compound-shapes.php</a>	<a href="https://www.mathsgenie.co.uk/resources/37_area-of-compound-shapes-ws.pdf">https://www.mathsgenie.co.uk/resources/37_area-of-compound-shapes-ws.pdf</a>	<a href="https://www.mathsgenie.co.uk/resources/37_area-of-compound-shapesans.pdf">https://www.mathsgenie.co.uk/resources/37_area-of-compound-shapesans.pdf</a>

# Transformations

Topic	Video	Worksheet	Answers
Translation	<a href="https://youtu.be/leHYLEPe0ZE">https://youtu.be/leHYLEPe0ZE</a>	<a href="https://www.mathsgenie.co.uk/resources/3-rotations.pdf">https://www.mathsgenie.co.uk/resources/3-rotations.pdf</a>	<a href="https://www.mathsgenie.co.uk/resources/3-rotationsans.pdf">https://www.mathsgenie.co.uk/resources/3-rotationsans.pdf</a>
Rotation	<a href="https://youtu.be/bS9naYK7Nw0">https://youtu.be/bS9naYK7Nw0</a>	<a href="https://www.mathsgenie.co.uk/resources/3-reflections.pdf">https://www.mathsgenie.co.uk/resources/3-reflections.pdf</a>	<a href="https://www.mathsgenie.co.uk/resources/3-reflectionsans.pdf">https://www.mathsgenie.co.uk/resources/3-reflectionsans.pdf</a>
Reflection	<a href="https://youtu.be/RAOcTmX7nS4">https://youtu.be/RAOcTmX7nS4</a>	<a href="https://www.mathsgenie.co.uk/resources/3-enlargements.pdf">https://www.mathsgenie.co.uk/resources/3-enlargements.pdf</a>	<a href="https://www.mathsgenie.co.uk/resources/3-enlargementsans.pdf">https://www.mathsgenie.co.uk/resources/3-enlargementsans.pdf</a>
Enlargement	<a href="https://youtu.be/UUzhM0hAifA">https://youtu.be/UUzhM0hAifA</a>	<a href="https://www.mathsgenie.co.uk/resources/3-translations.pdf">https://www.mathsgenie.co.uk/resources/3-translations.pdf</a>	<a href="https://www.mathsgenie.co.uk/resources/3-translationsans.pdf">https://www.mathsgenie.co.uk/resources/3-translationsans.pdf</a>

# Constructions and loci

Topic	Video	Worksheet	Answers
Loci and construction	<a href="https://www.mathsgenie.co.uk/loci-and-construction.php">https://www.mathsgenie.co.uk/loci-and-construction.php</a>	<a href="https://www.mathsgenie.co.uk/resources/4-loci-and-construction.pdf">https://www.mathsgenie.co.uk/resources/4-loci-and-construction.pdf</a>	<a href="https://www.mathsgenie.co.uk/resources/4-loci-and-constructionans.pdf">https://www.mathsgenie.co.uk/resources/4-loci-and-constructionans.pdf</a>



# Similar shapes

Topic	Video	Worksheet	Answers
Similar shapes (lengths)	<a href="https://www.mathsgenie.co.uk/similar-shapes-length.php">https://www.mathsgenie.co.uk/similar-shapes-length.php</a>	<a href="https://www.mathsgenie.co.uk/resources/5-similar-shapes.pdf">https://www.mathsgenie.co.uk/resources/5-similar-shapes.pdf</a>	<a href="https://www.mathsgenie.co.uk/resources/5-similar-shapesans.pdf">https://www.mathsgenie.co.uk/resources/5-similar-shapesans.pdf</a>

# Congruency

Topic	Video	Worksheet	Answers
Congruent shapes	<a href="http://corbettmaths.com/2012/08/10/congruent-and-similar-shapes/">http://corbettmaths.com/2012/08/10/congruent-and-similar-shapes/</a>	<a href="https://corbettmaths.com/2019/08/28/congruent-and-similar-shapes-practice-questions/">https://corbettmaths.com/2019/08/28/congruent-and-similar-shapes-practice-questions/</a>	<a href="https://corbettmaths.com/2019/08/28/congruent-and-similar-shapes-practice-questions/">https://corbettmaths.com/2019/08/28/congruent-and-similar-shapes-practice-questions/</a>
Congruent triangles	<a href="http://corbettmaths.com/2013/04/15/congruent-triangles/">http://corbettmaths.com/2013/04/15/congruent-triangles/</a>	<a href="https://corbettmaths.com/2018/04/04/congruent-triangles-2/">https://corbettmaths.com/2018/04/04/congruent-triangles-2/</a>	<a href="https://corbettmaths.com/2018/04/04/congruent-triangles-2/">https://corbettmaths.com/2018/04/04/congruent-triangles-2/</a>

# Parts of a circle

Topic	Video	Worksheet	Answers
Parts of a circle	<a href="http://corbettmaths.com/2013/12/21/parts-of-the-circle-video-61/">http://corbettmaths.com/2013/12/21/parts-of-the-circle-video-61/</a>	<a href="https://corbettmaths.com/2019/08/28/parts-of-a-circle-practice-questions/">https://corbettmaths.com/2019/08/28/parts-of-a-circle-practice-questions/</a>	<a href="https://corbettmaths.com/2019/08/28/parts-of-a-circle-practice-questions/">https://corbettmaths.com/2019/08/28/parts-of-a-circle-practice-questions/</a>

# Volume

Topic	Video	Worksheet	Answers
Volume of a prism	<a href="https://www.mathsgenie.co.uk/volume.php">https://www.mathsgenie.co.uk/volume.php</a>	<a href="https://www.mathsgenie.co.uk/resources/4-volume-of-a-prism.pdf">https://www.mathsgenie.co.uk/resources/4-volume-of-a-prism.pdf</a>	<a href="https://www.mathsgenie.co.uk/resources/4-volume-of-a-prismans.pdf">https://www.mathsgenie.co.uk/resources/4-volume-of-a-prismans.pdf</a>

# Surface area

Topic	Video	Worksheet	Answers
Surface Area	<a href="https://www.mathsgenie.co.uk/surfacearea.php">https://www.mathsgenie.co.uk/surfacearea.php</a>	<a href="https://www.mathsgenie.co.uk/resources/4-surface-area.pdf">https://www.mathsgenie.co.uk/resources/4-surface-area.pdf</a>	<a href="https://www.mathsgenie.co.uk/resources/4-surface-areaans.pdf">https://www.mathsgenie.co.uk/resources/4-surface-areaans.pdf</a>

# Plans and elevations

Topic	Video	Worksheet	Answers
Plans and elevations	<a href="https://www.mathsgenie.co.uk/plans-and-elevations.php">https://www.mathsgenie.co.uk/plans-and-elevations.php</a>	<a href="https://www.mathsgenie.co.uk/resources/4-plans-and-elevations.pdf">https://www.mathsgenie.co.uk/resources/4-plans-and-elevations.pdf</a>	<a href="https://www.mathsgenie.co.uk/resources/4-plans-and-elevationsans.pdf">https://www.mathsgenie.co.uk/resources/4-plans-and-elevationsans.pdf</a>

# Plans and elevations

Topic	Video	Worksheet	Answers
Pythagoras	<a href="https://www.mathsgenie.co.uk/pythagoras.php">https://www.mathsgenie.co.uk/pythagoras.php</a>	<a href="https://www.mathsgenie.co.uk/resources/4-pythagoras.pdf">https://www.mathsgenie.co.uk/resources/4-pythagoras.pdf</a>	<a href="https://www.mathsgenie.co.uk/resources/4-pythagorasans.pdf">https://www.mathsgenie.co.uk/resources/4-pythagorasans.pdf</a>

# Trigonometry

Topic	Video	Worksheet	Answers
SOH CAH TOA (Trigonometry)	<a href="https://www.mathsgenie.co.uk/sohcahtoa.php">https://www.mathsgenie.co.uk/sohcahtoa.php</a>	<a href="https://www.mathsgenie.co.uk/resources/5-SOHCAHTOA-ws.pdf">https://www.mathsgenie.co.uk/resources/5-SOHCAHTOA-ws.pdf</a>	<a href="https://www.mathsgenie.co.uk/resources/5-SOHCAHTOAans.pdf">https://www.mathsgenie.co.uk/resources/5-SOHCAHTOAans.pdf</a>



# Exact Trig Values

Topic	Video	Worksheet	Answers
Exact Trig Values	<a href="https://www.mathsgenie.co.uk/exact-trig-values.php">https://www.mathsgenie.co.uk/exact-trig-values.php</a>	<a href="https://www.mathsgenie.co.uk/resources/5-exact-trig-values-ws.pdf">https://www.mathsgenie.co.uk/resources/5-exact-trig-values-ws.pdf</a>	<a href="https://www.mathsgenie.co.uk/resources/5-SOHCAHTOAans.pdf">https://www.mathsgenie.co.uk/resources/5-SOHCAHTOAans.pdf</a>

# Vectors

Topic	Video	Worksheet	Answers
Vectors	<a href="https://www.mathsgenie.co.uk/column-vectors.php">https://www.mathsgenie.co.uk/column-vectors.php</a>	<a href="https://www.mathsgenie.co.uk/resources/5-vectors.pdf">https://www.mathsgenie.co.uk/resources/5-vectors.pdf</a>	<a href="https://www.mathsgenie.co.uk/resources/5-vectorsans.pdf">https://www.mathsgenie.co.uk/resources/5-vectorsans.pdf</a>

# Probability

[Basic probability](#)

[Sample space diagrams](#)

[Relative frequency](#)

[Venn diagrams](#)

[Tree diagrams](#)



# Basic Probability

Topic	Video	Worksheet	Answers
Probability	<a href="https://www.mathsgenie.co.uk/probability.php">https://www.mathsgenie.co.uk/probability.php</a>	<a href="https://www.mathsgenie.co.uk/resources/2-writing-probability-and-the-probability-scale.pdf">https://www.mathsgenie.co.uk/resources/2-writing-probability-and-the-probability-scale.pdf</a>	<a href="https://www.mathsgenie.co.uk/resources/2-writing-probability-and-the-probability-scaleans.pdf">https://www.mathsgenie.co.uk/resources/2-writing-probability-and-the-probability-scaleans.pdf</a>
Basic probability	<a href="http://corbettmaths.com/2013/06/15/probability/">http://corbettmaths.com/2013/06/15/probability/</a>	<a href="https://corbettmaths.com/2019/09/27/probability-textbook-exercise/">https://corbettmaths.com/2019/09/27/probability-textbook-exercise/</a>	<a href="https://corbettmaths.com/wp-content/uploads/2015/03/probability.pdf">https://corbettmaths.com/wp-content/uploads/2015/03/probability.pdf</a>
Not happening	<a href="http://corbettmaths.com/2013/05/15/probability-of-not-happening/">http://corbettmaths.com/2013/05/15/probability-of-not-happening/</a>	<a href="https://corbettmaths.com/wp-content/uploads/2013/02/probability-pdf.pdf">https://corbettmaths.com/wp-content/uploads/2013/02/probability-pdf.pdf</a>	<a href="https://corbettmaths.com/wp-content/uploads/2015/03/probability.pdf">https://corbettmaths.com/wp-content/uploads/2015/03/probability.pdf</a>
Scale	<a href="http://corbettmaths.com/2013/05/12/probability-scale/">http://corbettmaths.com/2013/05/12/probability-scale/</a>	<a href="https://corbettmaths.com/wp-content/uploads/2013/02/probability-pdf.pdf">https://corbettmaths.com/wp-content/uploads/2013/02/probability-pdf.pdf</a>	<a href="https://corbettmaths.com/wp-content/uploads/2015/03/probability.pdf">https://corbettmaths.com/wp-content/uploads/2015/03/probability.pdf</a>

# Sample space

Topic	Video	Worksheet	Answers
Sample Space	<a href="http://corbettmaths.com/2013/06/18/sample-space-diagrams/">http://corbettmaths.com/2013/06/18/sample-space-diagrams/</a>	<a href="https://corbettmaths.com/2019/09/04/sample-space-practice-questions/">https://corbettmaths.com/2019/09/04/sample-space-practice-questions/</a>	<a href="https://corbettmaths.com/2019/09/04/sample-space-practice-questions/">https://corbettmaths.com/2019/09/04/sample-space-practice-questions/</a>

# Relative frequency

Topic	Video	Worksheet	Answers
Relative Frequency	<a href="https://www.mathsgenie.co.uk/probability2.php">https://www.mathsgenie.co.uk/probability2.php</a>	<a href="https://www.mathsgenie.co.uk/resources/4-probability-and-relative-frequency-ws.pdf">https://www.mathsgenie.co.uk/resources/4-probability-and-relative-frequency-ws.pdf</a>	<a href="https://www.mathsgenie.co.uk/resources/4-probability-and-relative-frequencyans.pdf">https://www.mathsgenie.co.uk/resources/4-probability-and-relative-frequencyans.pdf</a>

# Venn Diagrams

Topic	Video	Worksheet	Answers
Probability from Venn Diagrams	<a href="https://corbettmaths.com/2016/08/07/venn-diagrams/">https://corbettmaths.com/2016/08/07/venn-diagrams/</a>	<a href="https://corbettmaths.com/wp-content/uploads/2013/02/venn-diagrams-pdf.pdf">https://corbettmaths.com/wp-content/uploads/2013/02/venn-diagrams-pdf.pdf</a>	<a href="https://corbettmaths.com/wp-content/uploads/2015/03/venn-diagrams-answers.pdf">https://corbettmaths.com/wp-content/uploads/2015/03/venn-diagrams-answers.pdf</a>

# Tree Diagrams

Topic	Video	Worksheet	Answers
Probability Trees	<a href="https://www.mathsgenie.co.uk/probability-trees.php">https://www.mathsgenie.co.uk/probability-trees.php</a>	<a href="https://www.mathsgenie.co.uk/resources/5-probability-trees.pdf">https://www.mathsgenie.co.uk/resources/5-probability-trees.pdf</a>	<a href="https://www.mathsgenie.co.uk/resources/5-probability-treesans.pdf">https://www.mathsgenie.co.uk/resources/5-probability-treesans.pdf</a>



# Statistics

[Charts and graphs](#)

[Averages and range](#)

[Scatter graphs](#)



# Charts and graphs

JAMES

Topic	Video	Worksheet	Answers
Bar Charts	<a href="https://www.mathsgenie.co.uk/bar-charts.php">https://www.mathsgenie.co.uk/bar-charts.php</a>	<a href="https://www.mathsgenie.co.uk/resources/2-bar-charts-ws.pdf">https://www.mathsgenie.co.uk/resources/2-bar-charts-ws.pdf</a>	<a href="https://www.mathsgenie.co.uk/resources/2-bar-chartsans.pdf">https://www.mathsgenie.co.uk/resources/2-bar-chartsans.pdf</a>
Pictograms	<a href="https://www.mathsgenie.co.uk/pictograms.php">https://www.mathsgenie.co.uk/pictograms.php</a>	<a href="https://www.mathsgenie.co.uk/resources/1-pictograms-ws.pdf">https://www.mathsgenie.co.uk/resources/1-pictograms-ws.pdf</a>	<a href="https://www.mathsgenie.co.uk/resources/1-pictogramsans.pdf">https://www.mathsgenie.co.uk/resources/1-pictogramsans.pdf</a>
Pie Charts	<a href="https://www.mathsgenie.co.uk/pie-charts.php">https://www.mathsgenie.co.uk/pie-charts.php</a>	<a href="https://www.mathsgenie.co.uk/resources/3-pie-charts-ws.pdf">https://www.mathsgenie.co.uk/resources/3-pie-charts-ws.pdf</a>	<a href="https://www.mathsgenie.co.uk/resources/3-pie-chartsans.pdf">https://www.mathsgenie.co.uk/resources/3-pie-chartsans.pdf</a>

# Averages and range

Topic	Video	Worksheet	Answers
Mean, median, mode and range	<a href="https://www.mathsgenie.co.uk/averages.php">https://www.mathsgenie.co.uk/averages.php</a>	<a href="https://www.mathsgenie.co.uk/resources/2-averages-ws.pdf">https://www.mathsgenie.co.uk/resources/2-averages-ws.pdf</a>	<a href="https://www.mathsgenie.co.uk/resources/2-averagesans.pdf">https://www.mathsgenie.co.uk/resources/2-averagesans.pdf</a>
Averages from frequency tables	<a href="https://www.mathsgenie.co.uk/mean-tables.php">https://www.mathsgenie.co.uk/mean-tables.php</a>	<a href="https://www.mathsgenie.co.uk/resources/4-averages-from-frequency-tables-ws.pdf">https://www.mathsgenie.co.uk/resources/4-averages-from-frequency-tables-ws.pdf</a>	<a href="https://www.mathsgenie.co.uk/resources/4-averages-from-frequency-tablesans.pdf">https://www.mathsgenie.co.uk/resources/4-averages-from-frequency-tablesans.pdf</a>

# Scatter graphs

Topic	Video	Worksheet	Answers
Scatter graphs	<a href="https://www.mathsgenie.co.uk/scatter-graphs.php">https://www.mathsgenie.co.uk/scatter-graphs.php</a>	<a href="https://www.mathsgenie.co.uk/resources/4-scatter-graphs.pdf">https://www.mathsgenie.co.uk/resources/4-scatter-graphs.pdf</a>	<a href="https://www.mathsgenie.co.uk/resources/4-scatter-graphsans.pdf">https://www.mathsgenie.co.uk/resources/4-scatter-graphsans.pdf</a>