

Year 7 Revision List

| Topic | CorbettMaths Reference |
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| Using the correct order of operations | Number: BIDMAS (order of operations) video 211 |
| Rounding numbers to a required degree of accuracy | Rounding: to whole numbers / to nearest 10 / nearest 100 / to decimal place videos 276-278 |
| Adding, subtracting, multiplying and dividing whole numbers and decimals | Decimals: Addition Decimals: Subtraction Decimals: Multiplying Decimals: dividing decimals by integers Decimals: division by decimals Videos 90-95 |
| Adding, subtracting, multiplying and dividing with negatives | Negatives: addition/subtraction Negatives: multiplication Negatives: division Videos 205-209 |
| Using powers and roots | Number: squaring a number/ square root/ cubing a number / cube root Videos 227 -8, 212-4 |
| Calculating the Mean Median, Mode and Range | Averages: mean / median/ mode / range Videos 50, 53, 56, 57 |
| Simplifying ratio and dividing a quantity by a given ratio | Ratio: simplifying/express as fraction or %/sharing the total Videos 269-270 |
| Finding and recognising factors, multiples and primes | Number: factors (Video 216)/multiples (Video 220)/ prime numbers (Video 225) |
| Finding HCF and LCM | Number: common multiples/LCM/common factors/HCF Videos 218-219 |
| Drawing Prime Factor Trees | Number: product of primes/product of primes (LCM/HCF) Videos 224-225 |
| Venn Diagrams to illustrate prime factor decomposition | Additional Topics: Venn diagrams - Video 380 |
| Use and interpret algebraic notation | Algebra: notation - Video 19 |
| Forming simple expressions | Algebra: expressions - forming - Video 16 |
| Simplifying expressions | Algebra: collecting like terms - Video 9 |
| Algebraic substitution | Algebra: substitution - Video 20 |
| Expanding single brackets | Algebra: expanding brackets - Video 13 |

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| Properties of quadrilaterals | 2D & 3D Shapes: Names/quadrilaterals/nets /vertices, edges & faces Videos 1-5 |
| Finding areas and perimeters of rectangles, triangles, parallelograms and trapeziums | Area: Parallelogram/rectangle/ Trapezium/triangle Videos 44, 45, 48 & 49 Perimeter - Video 241 |
| Draw, measure and name angles | Angles: Drawing/measuring/types of Videos 28, 31 & 38 |
| Solving problems involving angles and parallel lines | Angles: parallel lines (Video 25) |
| Solving Linear Equations | Equations: solving (Video 110) |
| Factorising expressions | Factorisation (Video 117) |
| Rearranging formulae (basic) | Algebra: Changing the subject (Video 7) |
| Equivalent fractions and cancelling down fractions | Fractions: equivalent (Video 135) |
| Convert between improper fractions and mixed numbers | Fractions: Improper to mixed/mixed to improper Videos 139-140 |
| Add and subtract fractions and mixed numbers | Fractions: Addition same denom /addition different denom Videos 132-133 |
| Multiply and divide fractions | Fractions: Division/multiplication Videos 134 & 142 |
| Construct and interpret statistical diagrams including pictograms, bar charts, line graphs, pie charts, frequency polygons | Graphs: Bar charts/line graphs/pictograms/pie charts/frequency polygons Videos - 147,148,155,156, 160-164 |
| Finding the circumference of a circle | Circles – area/circumference (Videos 59-60) |
| Finding the area of a circle | Circles – area/circumference (Videos 59-60) |
| Calculating interior / exterior angles of a polygon | Angles - polygons (Video 32) |
| Calculating fractions, decimals and percentages | FDP - (Videos 121-131) |
| Calculate percentages of amounts | Percentages - of an amount (Videos 234-235) |
| Ratio and Proportion Unitary Methods | Ratio (Videos 269-271a) Proportion - unitary method (Video 255a) |