

Year 8 Higher Maths Exam Topics

NUMBER

- Product of prime factors [Video 223](#)
- HCF and LCM [Videos 218, 219, 224](#)
- Rounding to decimal places and significant figures [Videos 276, 277a, 277b, 278](#)
- Estimation [Video 215](#)
- Converting between fractions, decimals and percentages [Videos 121 to 129](#)
- Multiplying fractions [Video 142](#)
- Multiplying decimals [Video 94](#)
- Percentage change [Video 233](#)
- Simple ratio [Video 269, 270, 271](#)
- Compound interest [Video 236](#)
- Converting between ratio and fractions [Video 269a](#)
- Recurring decimals [Video 96](#)

SHAPE, SPACE AND MEASURE

- Transformations (translation [Videos 325, 326](#), reflection [Videos 272, 273](#), rotation [Video 275](#), enlargement [Videos 104, 105, 107](#))
- Perpendicular bisector [Video 78](#)
- Types of triangles [Video 327](#)
- Similar shapes [Video 292](#)
- Circumference of a circle [Video 60](#)
- Area of a rectangle [Videos 45, 49](#)
- Volume of a cuboid [Video 355](#)
- Volume of a cylinder [Video 357](#)
- Bearings [Videos 26, 27](#)
- Converting between units of measure (cms to metres etc) [Videos 349a, b, c](#)

ALGEBRA

- Simplifying expressions [Video 9](#)
- Expanding brackets [Video 13](#)
- Factorising [Video 117](#)
- Laws on indices (powers) [Video 174](#)
- Substitution [Video 20](#)
- Solving equations with brackets and unknowns on both sides [Videos 110, 113](#)
- Equations of lines parallel to axis (e.g. $y = 4$) [Videos 192, 193](#)
- Parallel lines (same gradient) [Video 196](#)
- Perpendicular lines [Video 197](#)

HANDLING DATA

- Speed, distance, time [Video 299](#)
- Distance-time graphs [Video 171](#)
- Simple probability [Video 245](#)

Useful Revision Resources

www.mymaths.co.uk

Login: martins

Password: power

Lessons are useful for a review on the topic.

Homework can be 'done for fun' by clicking next. This is great for assessment.

www.corbettmaths.com

5-a-day GCSE 1-9 worksheets useful for general maths revision

- Numeracy (set 3/4/5/6)
- Foundation (set 1/2/3/4)

Videos and worksheets for revision and exam question practice on specific topics

Mrs Chapman's Maths surgery

Week A Thursday and Week B Monday lunch time 1:30pm – 2:00pm

In room S110

Revision Guides

CGP www.cgpbooks.co.uk

We suggest the KS3 Maths Study Guide

- Higher level (sets 1-5)
- Foundation level (set 6)