

Active Revision – MATHS

Assessment Point – Year 11 Mocks

Research shows that students who do frequent chunks of revision across all 3 stages of revision below are more likely to reach their full potential.

- ✓ Upload – consolidate your knowledge
- ✓ Process – active retrieval practice
- ✓ Download – apply your knowledge



- Watch the Corbett maths video
- Attempt a similar question independently
- Check your answer.

- Complete questions using the Corbett [maths textbook link](#) (the level of difficulty increases throughout the worksheet)
- Choose a few questions from each section.
- Check your answers as you go.

- Complete exam style questions using the Corbett maths [practice questions link](#).
- Check your solutions.
- Revisit any videos to help you complete the questions successfully.

Additional information:

- Attempt to cover at least 3 topics per week.
- Attend the weekly Period 6 after school support session to complete questions with teacher support.
- All the topics below will be covered by the mock exam.

TOPIC: HIGHER NON-CALCULATOR

| Topic | Corbett maths | Topic | Corbett maths |
|---|----------------------|---------------------------------|----------------------|
| Indices | 174 & 175 | Algebraic proportion | 254 & 255 |
| Ratio | 270 | Area of a circle | 59 |
| Volume | 355 | Expanding double brackets | 14 |
| Percentage change | 234 | Factorising quadratics | 120 |
| Forming and solving linear equations | 115 | Rearranging formula | 8 |
| Linear simultaneous equations | 295 | Probability of dependent events | 247 & 252 |
| Properties of quadrilaterals | 2 | Volume, mass, and density | 361 & 384 |
| Angles in a polygon | 32 | Simplifying algebraic fractions | 264 & 24 |
| Standard form | 300, 301 & 302 | Circle Theorems | 64 & 65 |
| Mean | 53a | Manipulating powers | 173 & 175 |
| Stem and leaf diagrams | 170 | Rationalise the denominator | 307 |
| Box plots and cumulative frequency curves | 149 & 153 | | |

TOPIC: HIGHER CALCULATOR

| Topic | Corbett maths | Topic | Corbett maths |
|-----------------------------|----------------------|--|----------------------|
| Prime factors | 223 | Volume of a cylinder | 357 |
| Highest common factor | 224 | 3D Trigonometry | 332 |
| Transformations | 275 | Combining ratios | 271a |
| Loci | 75, 76 & 77 | Recurring decimals to fractions | 96 |
| Estimating outcomes | 248 | Inequalities and regions | 182 |
| Linear equations | 113 & 115 | Similar shapes with area and volume | 293a & 293b |
| Tree diagrams | 252 | Quadratic sequences | 388a |
| Pythagoras' Theorem | 257 | Arc length | 58 |
| Trigonometry | 330 & 331 | Upper and lower bounds | 377 |
| Angles in parallel lines | 25 | Probability problem | 247 |
| Cumulative frequency curves | 153 | Surface area and volume of spheres, hemispheres & cons | 331, 314, 359 & 361 |
| Reverse percentages | 240 | | |

TOPIC: FOUNDATION NON - CALCULATOR

| Topic | Corbett maths | Topic | Corbett maths |
|--------------------------------|---------------|------------------------------|---------------|
| Place value | 222 | Stem and Leaf | 170 |
| Percentages/decimals/fractions | 123 & 123 | Transformations | 272 & 274 |
| Rounding | 277a | Percentages | 234 |
| Operations with decimals | 90 & 94 | Indices | 174 & 175 |
| Bearings | 26 | Ratio | 270 |
| Systematic listing | 253 | Volume | 355 |
| 3D shapes | 3 | Properties of quadrilaterals | 2 |
| Estimation | 215 | Linear equations | 113 & 115 |
| Frequency diagram | 147 | Product of prime factors | 223 |
| Probability | 245 | Angles in a polygon | 32 |
| Operations with whole numbers | 200 | Distance time graphs | 171 |
| Fractions | 136 & 146 | Sequences | 288 |

TOPIC: FOUNDATION CALCULATOR

| Topic | Corbett | Topic | Corbett |
|----------------------|-----------|---------------------------------|-----------|
| Conversion | 249a | Brackets | 13 |
| Fractions | 135 & 137 | Linear equations | 110 |
| Percentages | 235 | Indices | 174 |
| Negative numbers | 205 | Proportion | 255a |
| Timetables | 320 | Tree diagrams | 252 |
| Pie charts | 163 | Loci | 75 – 77 |
| Number machines | 386 | Estimating outcomes | 248 |
| Proportion | 254 | Linear equations | 113 & 115 |
| Transformations | 326 | Pythagoras' Theorem | 257 |
| Order of operations | 211 | Trigonometry | 330 & 331 |
| Area | 41 | Percentages | 238 |
| Straight line graphs | 186 | Standard form | 300 |
| Using a calculator | 222a | Averages from a frequency table | 54 |

