

How to Revise Week

Question-a-day and 20 minute Revision tasks
April 2022

Subject:
Maths
Foundation



MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY	NOTES:
<p>4th April</p> <p>Write down the value of $32^{0?}$</p>	<p>5th April</p> <p>Solve</p> $5x - 2 > 6 + 3x$	<p>6th April</p> $1\frac{3}{8} \times 2\frac{2}{5}$	<p>7th April</p> <p>What is the value of n?</p> $5^n \times 5^{-4} = 5^8$	<p>8th April</p> <p>Al, Bob and Cath share some money in the ratio 1:3:5. If Bob received £75 how much did they share?</p>	<p>9th April</p> <p>$\frac{3}{5}$ of a number is 45.</p> <p>What is $\frac{1}{3}$ of the number?</p>	<p>10th April</p> <p>What is?</p> $\frac{3}{25} \text{ of } 50$	
<p>11th April</p> <p>A circle with a diameter of 10cm is split into quarters. Calculate the area of one quarter?</p>	<p>12th April</p> <p>Write 32×10^6 in standard form</p>	<p>13th April</p> <p>What number is halfway between -4 and 1?</p>	<p>14th April</p> <p>Work out:</p> $\frac{2}{5} \times \frac{1}{3}$	<p>15th April</p> <p>Share 200 in the ratio 3:2</p>	<p>16th April</p> <p>Work out (without a calculator)</p> 125.2×49	<p>17th April</p> <p>Simplify</p> $4y + 2x - 3 + 3x + 8$	
<p>18th April</p> <p>Work out 70% of 120</p>	<p>19th April</p> <p>Simplify</p> $(2a^3)^3$	<p>20th April</p> <p>Write 4.78×10^{-3} as an ordinary number</p>	<p>21st April</p> <p>I buy a "thing" in a sale that has been reduced by 15%. The sale price is £102. What was the original price?</p>	<p>22nd April</p> <p>Write 3.87×10^{-4} as an ordinary number</p>	<p>23rd April</p> <p>Mel got 32 out of 80 on her maths exam.</p> <p>Write this as a percentage</p>	<p>24th April</p> <p>Simplify</p> $\frac{8m^2 \times m^5}{4m^3}$	
<p>20 minute revision task</p> <p>OnMaths Task</p>	<p>20 minute revision task</p> <p>Corbett Maths Task</p>	<p>20 minute revision task</p> <p>A5 Revision notes Task</p>	<p>20 minute revision task</p> <p>Spring QLA task</p>	<p>20 minute revision task</p> <p>Revision Cards Task</p>			

Subject: Maths

Exam Board:
Higher - Edexcel
Foundation - Eduqas

Mock exam Paper:
Full set of GCSE papers
Higher - 3 x 1hr 30mins
Foundation - 2 x 2hrs 15mins

Topic to Revise:

Foundation:

www.corbettmaths.com/contents

GCSE Foundation Tier
✓ Checklist 9-1

Geometry
15%
of
exam

Angle Facts - Video 35, 30, 34, 39
Types of Angle - Video 38
Angles in Parallel Lines - Video 25
Angles in a Triangle - Video 37
Angles in a Quadrilateral - Video 33
Angles in Polygons - Video 32
Bearings - Videos 26, 27
Perimeter - Video 241
Area of Rectangles/Triangles - Videos 45, 49
Area of a Trapezium - Video 48
Units - Videos 347, 349
Line Symmetry - Video 316
Rotational Symmetry - Video 317
Constructions - Videos 72, 78, 83
Loci - Videos 75, 76, 77
Faces, Edges, Vertices - Videos 5, 3
Views and Elevations - Video 354
Surface Area - Video 310
Speed, Distance, Time - Video 299
Density - Video 384
Pressure - Video 385
Timetables - Video 320
Distance Charts - Video 318
Volume of a Cuboid - Video 355
Volume of a Prism - Video 356
Translations - Video 325, 326
Reflections - Videos 272, 273
Rotations - Video 275
Enlargements - Videos 104, 105, 107
Parts of the Circle - Video 61
Circumference - Video 60
Area of a Circle - Video 59
Volume of a Cylinder - Video 357
Pythagoras - Video 257
Trigonometry - Videos 329, 330, 331
Exact Trig Values - Video 341
Arc Length - Video 58
Area of a Sector - Video 46
Similar Shapes (sides) - Video 292
Congruent Shapes - Video 67

50%
of exam

Multiplication - Video 199, 200
Division - Video 98
Addition - Video 6
Subtraction - Video 304
Rounding - Video 276, 277a, 277b, 278
Estimation - Video 215
BODMAS - Video 211
Ordering Decimals - Video 95
Arithmetic with Decimals - Videos 90, 91, 92, 93, 94
Multiples and Factors - Videos 220, 216
Prime Numbers - Video 225
Square Numbers and Square Roots - Videos 226, 228
Cube Numbers and Cube Roots - Videos 212, 214
Product of Primes - Video 223
LGM/HCF - Videos 218, 219, 224
Indices - Videos 172, 174
Negative Indices - Video 175
Standard Form - Video 300, 302, 303
Fractions of Amounts - Video 137
Adding Fractions - Video 133
Multiplying Fractions - Video 142
Dividing Fractions - Video 134
Fractions, Decimals, Percentages - Videos 121 to 129
Percentages of Amounts - Videos 234, 235
Compound Interest - Video 236
Reverse Percentages - Video 240
Ratio - Videos 269, 270, 271
Currency - Video 214e
Recipes - Video 256

Number
ratio & proportion



Volume of a Sphere/Cone - Videos 359, 361
Surface area of Sphere/Cone - Videos 313, 314
Vectors - 353a

Frequency Trees - Video 376
Two-way Tables - Video 319
Pictograms - Videos 161, 162
Bar Charts - Videos 147, 148
Frequency Polygons - Videos 155, 156
Line Graphs - Video 160
Pie Charts - Video 163, 164
Probability - Videos 245, 246, 248
Listing Outcomes - Video 253
Scatter Graphs - Videos 165 to 168
Stem and Leaf - Videos 169, 170
Mode - Video 56
Median - Video 50
Mean - Video 53
Range - Video 57
Estimated Mean - Video 55
Venn Diagrams - Video 380
Tree Diagrams - Video 252

Stats
15%
of
exam

Coordinates - Video 84
Writing Expressions - Video 16
Collecting Like Terms - Video 9
Multiplying Terms - Video 18
Sequences - Videos 286, 287, 290
The nth Term - Video 288
Expanding Brackets - Videos 13, 14
Factorising - Video 117
Factorising Quadratics - Videos 118, 120
Solving Equations - Video 110, 113
Forming Equations - Videos 114, 115
Inequalities - Videos 177, 178, 179
Conversion Graphs - Video 151
Drawing Linear Graphs - Video 186
 $y = mx + c$ - Video 191
Parallel graphs - Video 196
Substitution - Video 20
Changing the Subject - Video 7
Simultaneous Equations - Video 295
Quadratic Graphs - Video 264
Cubic Graphs - Video 344
Reciprocal Graphs - Video 346

20%
of
exam
Algebra

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Maths
Higher



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<p>4th April Rationalise the denominator</p> $\frac{12}{\sqrt{3}}$	<p>5th April Find the lowest common multiple (LCM) of 40 and 56</p>	<p>6th April Solve the equations: $4x + y = 10$ $x - 5y = 13$</p>	<p>7th April Solve: $4(x - 1) = 2(3x + 4)$</p>	<p>8th April What is the reciprocal of 0.375?</p>	<p>9th April By rounding estimate the answer to the below: $\frac{19.7 + 4.6}{0.26^2}$</p>	<p>10th April y is proportional to x^2. When $x = 5$, $y = 100$ Work out the value of y when $x = 3$</p>	
<p>11th April Write down the value of 3^{-2}</p>	<p>12th April Find the midpoint of the line AB where: A = (-2, -4) and B = (3, 3)</p>	<p>13th April 3×3 can be written as 3^k Find the value of k</p>	<p>14th April Find an expression, for the nth term of this quadratic sequence: 1 3 7 13 21</p>	<p>15th April Work out: $6\sqrt[3]{2}$</p>	<p>16th April What is the gradient and y-intercept of the line $y - 3x + 4 = 0$?</p>	<p>17th April Write the recurring decimal as a fraction in its simplest form $0.6\bar{2}4$</p>	
<p>18th April Find 0.25% of 80.</p>	<p>19th April Prove algebraically that the difference between the squares of any two consecutive odd numbers is always a multiple of 8</p>	<p>20th April Make t the subject of: $y = \frac{t}{3} + 4a$</p>	<p>21st April Calculate: $2\frac{2}{3} - 1\frac{1}{5}$</p>	<p>22nd April Expand: $(x + 4)(x + 2)(x + 1)$</p>	<p>23rd April There are 15 children at a birthday party. The mean age of the 15 children is 7 years. 9 of the 15 children are boys. The mean age of the boys is 5 years. Work out the mean age of the girls.</p>	<p>24th April $a : b = 8 : 3$ and $b : c = 5 : 4$ find the ratio $a : b : c$</p>	
<p>20 minute revision task OnMaths Task</p>	<p>20 minute revision task Corbett Maths Task</p>	<p>20 minute revision task A5 Revision notes Task</p>	<p>20 minute revision task Spring QLA task</p>	<p>20 minute revision task Revision Cards Task</p>			

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GCSE Higher Tier Checklist 9-1



Number, ratio, proportion and rates of change 35% of exam

- Adding Fractions - Video 133
- Multiplying Fractions - Video 142
- Dividing Fractions - Video 134
- Estimation - Video 215
- Best Buys - Video 210
- Currency - Video 214a
- Conversion Graphs - Video 151, 152
- Product of Primes - Videos 223, 224
- Indices - Videos 172, 174
- Indices (fractional/negative) - Videos 173, 175
- Standard Form - Videos 300, 301, 302, 303
- Percentages of Amounts - Videos 234, 235
- Percentage change - Video 233
- Compound Interest - Video 236
- Reverse Percentages - Video 240
- Recurring Decimals to Fractions - Video 96
- Ratio - Videos 270, 271
- Direct Proportion - Video 254
- Inverse Proportion - Video 255
- Limits of Accuracy - Videos 183, 184
- Surds - Videos 305, 306, 307, 308
- Product Rule for Counting - Video 383
- Error Intervals - Video 377

Algebra

- Collecting Like Terms - Video 9
- Expanding a Bracket - Video 13
- Expanding 2/3 Brackets - Videos 14, 15
- Factorising - Video 117
- Factorising Quadratics - Videos 118, 119, 120
- Algebraic Fractions - Videos 21, 22, 23, 24
- Sequences (nth term) - Videos 288, 289
- nth term (quadratics) - Video 388
- Substitution - Video 20
- Equations - Videos 110, 113, 114, 115
- Changing the Subject - Videos 7, 8
- Inequalities - Videos 177, 178, 179
- Inequalities (Regions) - Video 182
- Quadratic Inequalities - Video 378
- Linear Graphs - Videos 191, 186, 189, 194
- Parallel or Perpendicular Lines - Videos 196, 197
- Simultaneous Equations - Video 295/298

Geometry 20% of exam

- Angles in Parallel Lines - Video 25, 39
- Bearings - Video 26, 27
- Angles in Polygons - Video 32
- Constructions - Video 78, 72, 79, 80, 70
- Loci - Videos 75, 76, 77
- Area of a Trapezium - Video 48
- Circumference - Video 60
- Area of a Circle - Video 40
- Arc Length - Video 58
- Area of a Sector - Video 48
- Volume of a Cylinder - Video 357
- Pythagoras - Video 257, 259
- Trigonometry - Videos 329, 330, 331
- 3D Trig and Pythagoras - Videos 299, 332
- Exact Trig Values - Video 341
- Volume of a Prism - Video 356
- Volume of Cone/Pyramid/Sphere - Videos 359-361
- Surface Area of a Prism - Video 311
- Surface Area of Cone/Sphere - Videos 314, 313
- Translations - Video 325
- Reflections - Video 272
- Rotations - Video 275
- Enlargements - Videos 104, 106, 107, 108
- Similar Shapes - Videos 292, 293a, 293b
- Circle Theorems - Videos 64, 65
- Sine Rule - Video 333
- Cosine Rule - Videos 335, 336
- 1/2abSinC - Video 337
- Vectors - Video 353
- Travel Graphs - Video 171
- Speed, Distance, Time - Video 299
- Density - Video 384
- Pressure - Video 385
- Geometric Proof - Video 366

Stats 15% of exam

- Frequency Trees - Video 376
- Two-way Tables - Video 319
- Pie Charts - Videos 163, 164
- Scatter Graphs - Videos 165, 166
- Histograms - Video 157, 158, 159
- Frequency Polygons - Videos 155, 156
- Stem-and-leaf - Videos 169, 170
- Cumulative Frequency - Videos 153, 154
- Box Plots - Video 149
- Estimated Mean - Video 55
- Tree Diagrams - Video 252
- Conditional Probability - Video 247
- Capture Recapture - Video 391
- Venn Diagrams - Video 380

Harder Algebra

- Equation of a Circle - Video 12
- Equation of a tangent - Video 372
- Instantaneous rates of change - Video 309a
- Average rates of change - Video 309b
- Area under a curve - Video 389
- Composite Functions - Video 370
- Inverse Functions - Video 369
- Quadratic Graphs - Video 264
- Trigonometric Graphs - Videos 338, 339
- Reciprocal Graphs - Video 346
- Exponential Graphs - Video 345
- Algebraic Proof - Video 365
- Quadratic Formula - Video 267
- Completing the Square - Video 10, 371
- Transformations of Graphs - Video 323
- Iteration - Video 373

30% of exam is Algebra

Geometry 20% of exam

Stats 15% of exam

Harder Algebra