

How to Revise Week

Question-a-day and 20 minute Revision tasks
March & April 2023

Subject:
Maths
Foundation



MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY	NOTES:
<p>27th March</p> <p>Write down the value of $32^{0?}$</p>	<p>28th March</p> <p>Solve</p> $5x - 2 > 6 + 3x$	<p>29th March</p> $1\frac{3}{8} \times 2\frac{2}{5}$	<p>30th March</p> <p>What is the value of n?</p> $5^n \times 5^4 = 5^8$	<p>31st March</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>1st April</p> <p>$\frac{3}{5}$ of a number is 45.</p> <p>What is $\frac{1}{3}$ of the number?</p>	<p>2nd April</p> <p>What is?</p> $\frac{3}{25} \text{ of } 50$	
<p>3rd April</p> <p>A circle with a diameter of 10cm is split into quarters. Calculate the area of one quarter?</p>	<p>4th April</p> <p>Write 32×10^6 in standard form</p>	<p>5th April</p> <p>What number is halfway between -4 and 11?</p>	<p>6th April</p> <p>Work out:</p> $\frac{2}{5} \times \frac{1}{3}$	<p>7th April</p> <p>Share 200 in the ratio 3:2</p>	<p>8th April</p> <p>Work out (without a calculator)</p> 125.2×49	<p>9th April</p> <p>Simplify</p> $4y + 2x - 3 + 3x + 8$	
<p>10th April</p> <p>Work out 70% of 120</p>	<p>11th April</p> <p>Simplify</p> $(2a^3)^3$	<p>12th April</p> <p>Write 4.78×10^{-3} as an ordinary number</p>	<p>13th 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>14th April</p> <p>Write 3.87×10^{-4} as an ordinary number</p>	<p>15th April</p> <p>Mel got 32 out of 80 on her maths exam.</p> <p>Write this as a percentage</p>	<p>16th 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
LCM/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

How to Revise Week

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

Subject:
Maths
Higher



MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY	NOTES:
27th March Rationalise the denominator $\frac{12}{\sqrt{3}}$	28th March Find the lowest common multiple (LCM) of 40 and 56	29th March Solve the equations: $4x + y = 10$ $x - 5y = 13$	30th March Solve: $4(x - 1) = 2(3x + 4)$	31st March What is the reciprocal of 0.375?	1st April By rounding estimate the answer to the below: $\frac{19.7 + 4.6}{0.26^2}$	2nd April y is proportional to x^2 . When $x = 5$, $y = 100$ Work out the value of y when $x = 3$	
3rd April Write down the value of 3^{-2}	4th April Find the midpoint of the line AB where: A = (-2, -4) and B = (3, 3)	5th April $3 \cdot 3$ can be written as 3^k Find the value of k	6th April Find an expression, for the n th term of this quadratic sequence: 1 3 7 13 21	7th April Work out: $\frac{2}{64^3}$	8th April What is the gradient and y -intercept of the line $y - 3x + 4 = 0$?	9th April Write the recurring decimal as a fraction in its simplest form 0.624	
10th April Find 0.25% of 80.	11th April Prove algebraically that the difference between the squares of any two consecutive odd numbers is always a multiple of 8	12th April Make t the subject of: $y = \frac{t}{3} + 4a$	13th April Calculate: $2\frac{2}{3} - 1\frac{1}{5}$	14th April Expand: $(x + 4)(x + 2)(x + 1)$	15th 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.	16th April $a : b = 8 : 3$ and $b : c = 5 : 4$ find the ratio $a : b : c$	
20 minute revision task OnMaths Task	20 minute revision task Corbett Maths Task	20 minute revision task A5 Revision notes Task	20 minute revision task Spring QLA task	20 minute revision task Revision Cards Task			

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Higher:

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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 259, 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