How to Revise Week

Question-a-day and 20-minute Revision tasks

April 2024

SPACE OUT YOUR STUDYING OVER TIME
SPACING
TESTING   SKETCHING
SPACED PRACTICE

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

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:

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GCSE Foundation Tier ✓ Checklist 9-1

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

Geometry 15% 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 214a
Recipes - Video 256

Number ratio & proportion

50% of exam

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

Corbett maths

How to Revise Week

Question-a-day and 20 minute Revision tasks
March & April 2024

Subject:
Maths
Higher

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY	NOTES:
1st April Rationalise the denominator $\dfrac{12}{\sqrt{3}}$	2nd April Find the lowest common multiple (LCM) of 40 and 56	3rd April Solve the equations: $4x + y = 10$ $x - 5y = 13$	4th April Solve: $4(x - 1) = 2(3x + 4)$	5th April What is the reciprocal of 0.375?	6th April By rounding estimate the answer to the below: $\dfrac{19.7 + 4.6}{0.26^2}$	7th April y is proportional to x^2. When $x = 5$, $y = 100$ Work out the value of y when $x = 3$	
8th April Write down the value of 3^{-2}	9th April Find the midpoint of the line AB where: $A = (-2, -4)$ and $B = (3, 3)$	10th April $3\sqrt{3}$ can be written as 3^k Find the value of k	11th April Find an expression, for the nth term of this quadratic sequence: 1 3 7 13 21	12th April Work out: $64^{\frac{2}{3}}$	13th April What is the gradient and y-intercept of the line $y - 3x + 4 = 0$?	14th April Write the recurring decimal as a fraction in its simplest form $0.6\dot{2}\dot{4}$	
15th April Find 0.25% of 80.	16th April Prove algebraically that the difference between the squares of any two consecutive odd numbers is always a multiple of 8	17th April Make t the subject of: $y = \dfrac{t}{3} + 4a$	18th April Calculate: $2\dfrac{2}{3} - 1\dfrac{1}{5}$	19th April Expand: $(x + 4)(x + 2)(x + 1)$	20th 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.	21st April $a : b = 8 : 3$ and $b : c = 5 : 4$ find the ratio $a : b : c$	
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Topic to Revise:

Higher:

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GCSE Higher Tier
✓ **Checklist** 9-1

Corbett maths

Number, ratio, proportion and rates of change 75% 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

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

Geometry 20% of exam

Travel Graphs – Video 171
Speed, Distance, Time – Video 299
Density – Video 384
Pressure – Video 385
Geometric Proof – Video 366

Rates of change

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

Stats 15% of exam

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

Harder Algebra

30% of exam is Algebra