

Preparing for Core Maths

Below are some videos on Hegarty Maths (www.hegartymaths.com) and Corbett Maths (www.corbettmaths.com) which can help you prepare for Core Maths in September. Search the video numbers and try the quiz or linked worksheets

Topic	Hegarty Maths <i>(Use your login for this)</i>	Corbett Maths <i>(Free to access)</i>
Types of Data	392 - Types of data (1) 393 - Types of data (2)	342 - Types of data: Qualitative & Quantitative 343 - Types of data: discrete & continuous 343a - Types of data: primary & secondary
Collecting & Sampling Data	394 - Census, sampling & bias 395 - Random sampling 396 - Stratified random sampling (1) 397 - Stratified random sampling (2) 398 - Stratified random sampling (3) 399 - Surveys & questionnaires (1) 400 - Surveys & questionnaires (2) 402 - Grouped frequency tables (discrete) 403 - Grouped frequency tables (continuous)	281 - Sampling: stratified 282 - Sampling: random
Numerical Representations of Data	404 - Mode 405 - Mean (1) 406 - Mean (2) 407 - Mean (3) 408 - Mean (4) 409 - Median 410 - Range 411 - Upper & lower quartiles 412 - Interquartile range 413 - Selecting appropriate averages 414 - Range from frequency tables 415 - Mode from frequency tables 416 - Median from frequency tables 417 - Mean from frequency tables (1) 418 - Mean from frequency tables (2) 419 - Averages & range (problem solving) (1) 420 - Averages & range (problem solving) (2) 421 - Averages & range (problem solving) (3)	50 - Averages: median 51 - Averages: median (frequency table) 52 - Averages: median (grouped data) 53 - Averages: mean 54 - Averages: mean (frequency table) 55 - Averages: mean (estimated) 56 - Averages: mode 57 - Averages: range
Diagrammatic	430 - Stem & leaf diagrams (1)	149 - Graphs: box plots- draw\interpret

**Representations
of Data**

431 - Stem & leaf diagrams (2)
432 - Stem & leaf diagrams (3)
433 - Stem & leaf diagrams (4)
434 - Box plots (1)
435 - Box plots (2)
436 - Box plots (3)
437 - Cumulative frequency diagrams (1)
438 - Cumulative frequency diagrams (2)
439 - Cumulative frequency diagrams (3)
440 - Box plots (4)
441 - Frequency polygons
442 - Histograms (1)
443 - Histograms (2)
444 - Histograms (3)
445 - Histograms (4)
446 - Histograms (5)
447 - Histograms (6)
448 - Histograms (7)
449 - Histograms (8)

150 - Graphs: box plots (compare)
151 - Graphs: conversion graphs (draw)
152 - Graphs: conversion graphs (interpret)
153 - Graphs: cumulative frequency (draw)
154 - Graphs: cumulative frequency (reading)
155 - Graphs: frequency polygons (draw)
156 - Graphs: frequency polygons (reading)
157 - Graphs: histograms (draw)
158 - Graphs: histograms (interpret)
159 - Graphs: histograms harder
160 - Graphs: line graphs
169 - Graphs: stem and leaf (draw)
170 - Graphs: stem and leaf (interpret)

Numerical Calculations

121 - Powers of 10
122 - Ordinary to standard form
123 - Standard form to ordinary
130 - Round to significant figures
131 - Estimate complex calculations
132 - Appropriate degrees of accuracy
133 - Round numbers in standard form
134 - Truncation
137 - Upper & lower bounds 1
138 - Upper & lower bounds 2 (worded)
139 - Upper & lower bounds 3 (calculations)
322 - Iteration
707 - Converting currency (1)
708 - Converting currency (2)
712 - Conversion graphs (1)
713 - Conversion graphs (2)
755 - Income and rates of pay (1)
756 - Income and rates of pay (2)
757 - Financial statements (1)
758 - Financial statements (2)
774 - Error intervals (1)
775 - Error intervals (2)
776 - Error intervals (3)
777 - Error intervals (4)
897 - Tariff graphs

20 - Algebra: substitution
183 - Limits of accuracy
184 - Limits of accuracy (applying)
214a - Number: currency
215 - Number: estimation
279a - Rounding: significant figures
280 - Rounding: highest/lowest values
285 - Sensible estimates
300 - Standard form
352 - Use of a calculator
373 - Iteration
377 - Error Intervals

Percentages		
	83 - Convert percentages to decimals	121 - FDP: percentages to decimals
	87 - Find percentages of amounts 4 (using calculator)	122 - FDP: percentages to fractions
	88 - Percentage increase or decrease (non-calc)	129 - FDP: key equivalents
	89 - Percentage/decimal multipliers	130 - FDP: mixture
	90 - Percentage increase or decrease	233 - Percentages: change
	91 - Repeated percentage increase or decrease 1	235 - Percentages: of an amount (calc)
	92 - Repeated percentage increase or decrease 2	236 - Percentages: compound interest
	93 - Simple interest	237 - Percentages: expressing as
	94 - Compound interest	238 - Percentages: increasing\decreasing
	95 - Depreciation	239 - Percentages: multipliers
	96 - Reverse percentages	240 - Percentages: reverse
	97 - Percentage change	
	98 - Percentages (worded problems)	
	149 - Conversions between FDP (summary)	
	760 - Profit and loss (2)	
	761 - Profit and loss (problem solving 1)	
	762 - Profit and loss (problem solving 2)	

Probability

351 - Probability of single events (1)
352 - Probability of single events (2)
353 - Probability of an event not happening
354 - Mutually exclusive events
355 - Expectation
356 - Experimental probability & relative frequency
357 - Relative frequency & testing for bias
358 - Probability of more than one event (1)
359 - Probability of more than one event (2)
360 - Independent events
361 - Independent events & probability trees (1)
362 - Independent events & probability trees (2)
363 - Independent events (simplified probability trees)
364 - Conditional probability (1)
365 - Conditional probability (2)
366 - Conditional probability (3)
367 - Conditional probability (4)
370 - Listing elements in a set (1)
371 - Listing elements in a set (2)
372 - Displaying sets in Venn diagrams (1)
373 - Displaying sets in Venn diagrams (2)
374 - Shading sets in Venn diagrams (1)
375 - Shading sets in Venn diagrams (2)
376 - Shading sets in Venn diagrams (3)
377 - Listing elements from sets in Venn diagrams
378 - Counting sets using Venn diagrams (1)
379 - Counting sets using Venn diagrams (2)
380 - Counting sets using Venn diagrams (3)
383 - Venn diagrams for probability (1)
384 - Venn diagrams for probability (2)
385 - Venn diagrams for probability (3)
386 - Venn diagrams for probability (4)
387 - Venn diagrams for probability (5)
388 - Venn diagrams for probability (6)

244 - Probability: OR rule
245 - Probability: basic
246 - Probability: sample space
247 - Probability: conditional
248 - Probability: relative frequency
249 - Probability: independent events
250 - Probability: not happening
252 - Probability: tree diagrams
379 - Set notation
380 - Venn Diagrams