

Core Maths Checklist

The Core Maths course will teach you to use mathematics in a variety of real-world contexts, including finance, statistics, analysis of data and estimation. It is important that you are comfortable with carrying out a range of numerical calculations on a calculator. This checklist will help you to ensure that you are equipped with the skills needed to be successful on the course.

The numbered video clips and additional practice questions can be found here:

<https://corbettmaths.com/contents/>

The answers to the practice questions are here:

<https://corbettmaths.com/2015/03/13/worksheet-answers/>

Topic name	Clip number	Tick when you are confident with this topic ✓
Averages: median	50-52	
Averages: mean	53-55	
Averages: mode	56	
Averages: range	57	
Circles: area	59	
Circles: circumference	60	
Areas of 2D shapes	41-45	
Converting between fractions, decimals and percentages	121-130	
Graphs: box plots- draw\interpret	149	
Graphs: box plots (compare)	150	
Cumulative frequency graphs	153-154	
Frequency polygons	155-156	
Histograms	157-159	
Scatter graphs	165-168	
Stem and leaf diagrams	169-170	
Linear graphs: $y=mx+c$	191	
Percentages: change	233	
Percentages: of an amount (calc)	235	
Percentages: compound interest	236	
Percentages: expressing as	237	
Percentages: increasing\decreasing	238	
Percentages: multipliers	239	
Percentages: reverse	240	
Rounding to any given degree of accuracy	276-280	
Surface area	309-315	
Types of data	342-343a	
Metric units	349a,b,c	
Units: converting areas and volumes	350-351	
Volumes	355-361	