



## Year 7 End Of Year Maths Topic List



Topics	DFM Key Skills	Revised?
<b>1. Analysing and Displaying Data</b>		
1.1 Mode, median and range	207	
1.2 Displaying data - Bar charts, pictograms, bar-line charts, frequency tables	31, 65, 133, 235, 237	
1.3 Grouping data - Grouped frequency tables, discrete and continuous data	312, 314	
1.4 Averages and comparing data - mode, median, range and mean	132, 207	
1.5 Line graphs and more bar charts	30, 114, 65	
<b>2. Number Skills</b>		
2.1 Mental maths - Priority of operations (GEMS), estimating	45, 188, 115, 39	
2.2 Addition and subtraction	40, 41	
2.3 Multiplication	67, 156	
2.4 Division	89, 156	
2.5 Money and time	50, 127, 61, 113, 59	
2.6 Negative numbers	86, 87, 155, 156	
2.7 Factors, multiples and primes	97, 161, 162	
2.8 Square numbers	88, 157	
<b>3. Expressions, Functions and Formulae</b>		
3.1 Functions - function machines	133, 432	
3.2 Simplifying expressions - Collecting like terms	193	
3.3 Simplifying expressions 2 - Expanding single brackets, multiplying and dividing algebraic terms	191, 192, 252	
3.35 Factorising single brackets	253	
3.4 Writing expressions	198	
3.5 Substituting into formulae	136, 196	
3.6 Writing formulae	198	
3.7 Solve one and two step equations	199, 257	
3.8 Expand double brackets	300	
<b>4. Decimals and Measures</b>		
4.1 Decimals and rounding (inc significant figures)	69, 75, 187	
4.4 Working with decimals mentally - multiplying	70, 123	
4.2 Length, mass and capacity	15, 107	
4.3 Scale diagrams and measures	108, 137	
4.5 Working with decimals - add, subtract, multiply, divide	70, 74, 123, 125	
4.6 Perimeter	79, 180	
4.7 Area - rectangles, compound shapes, triangles	80, 138, 139, 140, 181, 182	
4.8 More units of measure	15, 107	
<b>5. Fractions and Percentages</b>		
5.1 Comparing fractions	55, 98, 99, 116	
5.2 Simplifying fractions	98	
5.3 Working with fractions - Add, subtract, multiply, divide, mixed numbers, fractions of amounts	56, 57, 101, 118, 167, 168	
5.4 Equivalent fractions and decimals	172	
5.5 Understanding percentages - convert to a fraction or percentage	172	
5.6 Percentages of amounts	130, 214, 219	
<b>6. Probability</b>		
6.1 The language of probability	247	
6.2 Calculating probability	248	
6.3 More probability calculations	250	
6.4 Experimental probability	251	
6.5 Expected outcomes	251	

<b>7. Ratio and Proportion</b>		
7.1 Direct proportion	176	
7.2 Writing ratios	224	
7.3 Using ratios	225	
7.4 Ratios, proportions and fractions	176	
7.5 Proportions and percentages	172, 176	
<b>8. Lines and Angles</b>		
8.1 Measuring and drawing angles	109	
8.2 Lines, angles and triangles	76, 149, 150	
8.3 Drawing triangles accurately	287b	
8.4 Calculating angles	110, 149, 150, 151	
8.5 Angles in a triangle	149	
8.6 Quadrilaterals - angles and properties of	77	
8.7 Angles in parallel lines	63, 147, 263	
8.8 Bearings	265	

<b>Set yourself up for success with assessments... End of Term/Year Assessments</b>	
<b>Topic list</b>	Identify areas to improve using the topic list. Start practising Key Skills on DFM.
<b>Key Skills HW on DFM</b>	Two weeks before the test. Workings shown neatly in your book.
<b>Pre-test and other resources given by teacher</b>	Use pre-test and other resources from your teacher. Revise these topics using DFM numbers and QR code resources.

<b>General Revision Tips</b>	
<b>Plan Your Revision:</b>	Create a timetable and stick to it - short, focused sessions work best.
<b>Use DFM -</b>	Key skill numbers from pre-tests, topic lists etc tell you exactly what to work on.
<b>Use Exam Style Questions:</b>	Practise under <b>timed</b> conditions and check your answers with mark schemes to identify gaps to prioritise.
<b>Mix Up Revision Methods:</b>	Use flashcards, mind maps, and online quizzes (e.g. Corbett Maths, DrFrostMaths).
<b>Understand, Don't Just Memorise:</b>	Make sure you can explain why a method works, not just how to do it.
<b>Show Full Workings:</b>	Even if your final answer is wrong, you can still gain marks for correct steps.
<b>Target Weak Areas:</b>	Spend extra time on the topics you find hardest rather than just repeating the ones you're comfortable with.
<b>Use Active Recall:</b>	Cover up answers and test yourself instead of just reading through notes.
<b>Stay Consistent:</b> Little and often is better than last-minute cramming!	