



Year 8 End of Year Maths 25-26 Topic List



Topics	DFM Key Skills	Revised?
1. Number		
1.1 Calculations - adding and subtracting including decimals, estimating	74, 125, 188	
1.2 Divisibility and division	163	
1.3 Calculating with negative integers	87, 155, 156	
1.4 Powers and roots	88, 157	
1.5 Powers, roots and brackets	88, 157, 158	
1.6 Multiples and factors - including HCF and LCM	161, 162	
1.7 Simplifying surds	335	
2. Area and volume		
2.1 Area of a triangle and compound shapes	138, 140, 182	
2.2 Area of a parallelogram and trapezium	139, 184	
2.3 Volume of cubes and cuboids	145	
2.4 2D representations of 3D solids	228	
2.5 Surface area of cubes and cuboids	232	
2.6 Measures - converting between units of length, area and volume	174, 246	
2.7 Area and circumference of circles	209, 210, 211	
3. Statistics, graphs and charts		
3.1 Pie charts	246	
3.2 Using tables - two-way tables, averages from frequency tables	235, 236, 237, 238	
3.3 Stem and leaf diagrams	240	
3.4 Comparing data	132, 207, 403	
3.5 Scatter graphs	244	
3.6 Misleading graphs	K317f	
3.7 Cumulative frequency and box plots	398, 399	
4. Expressions and equations		
4.1 Algebraic powers	191, 192, 193	
4.2 Expressions and brackets - expanding single and double brackets	252, 300	
4.3 Factorising expressions - factorising single and double brackets	253, 363, 364	
4.4 One-step equations	199	
4.5 Two-step equations	199	
4.6 The balancing method	199	
4.7 Inequalities	310, 340	
5. Straight-line graphs (actually chapter 9)		
9.2 Gradients	271	
9.1 Direct proportion on graphs	269	
9.3 Equations of straight lines	269, 272, 273, 274	
9.4 Parallel lines	275	
6. Decimals and ratio		
6.1 Ordering decimals and rounding	69, 75, 187	
6.2 Place-value calculations	69, 70, 123	
6.3 Calculations with decimals	67, 70, 123, 125	
6.4 Ratio and proportion with decimals	224	

7. Lines and angles		
7.1 Quadrilaterals	77	
7.2 Alternate angles and proof	263	
7.3 Angles in parallel lines	263	
7.4 Exterior and interior angles	262	
7.5 Solving geometric problems	262, 263	
8. Calculating with fractions		
8.1 Ordering fractions	175	
8.2 Adding and subtracting fractions	56	
8.3 Multiplying fractions	165	
8.4 Dividing fractions	121, 166	
8.5 Calculating with mixed numbers	101, 118, 167, 168	
9. Real-life graphs (actually chapter 5)		
5.1 Conversion graphs	178	
5.2 Distance-time graphs	149	
5.3 Line graphs	114	
5.4 More line graphs	114	

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

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