







## Year 8 Maths EOY 25 Assessment Topic List



All chapters on the topic list will be assessed as this is your End of Year test.		
Topics	DFM Key Skills	Revised (Y/N)
<b>2. Area and volume</b>		
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	
<b>3. Statistics, graphs and charts</b>		
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	
<b>4. Expressions and equations</b>		
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	
<b>5. Straight-line graphs (actually chapter 9)</b>		
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	
<b>6. Decimals and ratio</b>		
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	
<b>7. Lines and angles</b>		
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	
<b>8. Calculating with fractions</b>		
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	
<b>9. Real-life graphs (actually chapter 5)</b>		
5.1 Conversion graphs	178	
5.2 Distance-time graphs	149	
5.3 Line graphs	114	
5.4 More line graphs	114	
5.5 Real-life graphs	114, 328	
5.6 Curved graphs	n/a	

Additional Resources			
<b>Worksheets on Sharepoint</b> These include <b>most</b> of the topics covered in the year. They each have three levels of difficulty (support, core and then depth) and the answers are at the end of the document.		<b>Youtube - Corbett Maths</b> Here you can find lots of videos on GCSE topics. Complete the questions as you watch the video.	
<b>Corbett Maths</b> Here you can find worksheets filtered by topic as well as written and video solutions		<b>Dr Frost</b> Use the Dr Frost numbers to the left to complete questions on these topics. You can also complete past paper questions on here too.	

Set yourself up for success with assessments...
<b>End of Term/Year Assessments</b> <b>Topic list</b> Identify areas to work on. Start practising these Key Skills on DFM and/or with worksheets on sharepoint
<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 these to identify topics for further revision at home. Use resources from QR codes above to practise them.
<b>Test corrections (Really important to improve exam technique)</b> Use worked/video solutions to make any necessary corrections in green pen Ask your teacher if you still don't understand
<b>DFM key skills</b> Identify a minimum of 3 Key Skills for further practice from your review sheet Write these out neatly in the front of your exercise book with full workings 10 questions from each Key Skill Use the Exam Skills to extend your learning if you don't have 3 Key Skills