

	Topic	Year 7 Revision List - Review 3	😊	😐	😊
1	Place Value and $\times \div 10, 100, 1000$ etc	Place value and ordering numbers, using $<, >$			
		Multiplication and multiplication by 10, 100, 1000.			
		Multiply and divide by 10, 100, 1000			
		Decimals			
		Ordering decimals, understanding their place on the number line			
2	Rounding and Estimating	Round to nearest 1, 10, 100, 1000			
		Round to decimal places			
		Round to significant figures			
		Rounding to estimate calculations			
3	Adding and Subtracting (incl. Decimals)	Mental methods for add and subtract (different representations)			
		Adding and subtracting decimals using a column method			
		Adding/subtracting decimals questions in context			
4, 5	Multiplying and Dividing (incl. Decimals)	Mental methods for multiplication and division using times tables facts			
		Order of operations simple operations (BIDMAS)			
		Order of operations with more challenging mental methods required			
		Use information from one calculation to solve another			
		Tests for divisibility			
		Multiplication using a written method (using column method)			
		Division (bus stop by a one digit number)			
		Dividing decimals by whole numbers and solve problems with division			
6	Types of Number	Multiples and LCM inc worded			
		Factors and HCF inc worded			
		Prime numbers (sieve 2 ways)			
7	Averages and Spread of Data	Mean (should have done in y6)			
		Median, Mode, Range (extension: grouped data)			
		Worded problems and finding missing numbers			
8	Negative Numbers	Understand negative numbers in context			
		Adding and subtracting with negative numbers			
		Multiply and divide with negative numbers			
		Adding and subtracting with negative decimal numbers			
		Multiplying decimals by wholes and decimals			
9	Basic Algebra	Collecting like terms			
		Multiplying terms			
		Dividing terms			
		Expanding single brackets			
		Substitution			
10	Shapes	Naming 2D shapes (polygons, triangles, quadrilaterals)			
		Naming 3D shapes and nets			
		Further properties of shapes (symmetry, parallel sides, equal sides etc)			
		Perimeter			
		Area in rectangles, triangles (extension: parallelograms, trapeziums)			
11	Fractions	Surface area of cuboids and prisms			
		Understand fractions (having equal parts and using a fraction wall)			
		Equivalent fractions and simplifying fractions			
		Comparing using equivalent fractions (or diagrams)			
		Write one quantity as a fraction of another			
		Calculate fractions of an amount			
12	FDP	Convert fractions to decimals			
		Definition of % and converting between fractions and percentages			
		Converting and comparing FDP			
13	Graphs	Dealing with recurring and terminating fractions			
		Real-life graphs, water flow, happiness, distance time etc			
		Drawing and recognising graphs of $x=a$, $y=b$, $x=y$ understanding why			
		Drawing graphs of $y=mx+c$ using a table of values			