

## Year 7 Foundation Revision List - April 2019

<u>Objective</u>	<u>Hegarty Maths Clip</u>	<u>Objective</u>	<u>Hegarty Maths Clip</u>
Identify factors and multiples of a number	27	Round to the nearest integer	17
Find common factors and common multiples of two numbers	27/33	Round numbers to a given power of ten	17
Know the square numbers up to 15x15 and their corresponding roots	99/101	Calculate speed, distance or time, given the other two	716-724
Identify prime numbers	28	Measure line segments accurately.	
Recognise sequences of odd and even numbers.	25	Draw line segments of a given length accurately.	
Recognise a <b>linear</b> sequence and use the term-to-term rule to generate further terms.	197	Understand perimeter as the distance around a shape.	548
Draw the next diagram in a series of patterns.	196	Find the perimeter of a rectangle by counting.	548
Generate the terms of a <b>linear</b> sequence using the <b>term</b> -to-term rule.	197	Calculate the perimeter of a rectangle by adding.	549
Identify the term-to-term rule of a <b>linear</b> sequence.	197	Use appropriate units for the perimeter of a shape.	691
Recognise that a series of patterns generates a numerical sequence.	196	Calculate the perimeter of a triangle and other polygons by adding.	549
Use algebraic notation and symbols correctly.	151	Measure shapes and find their perimeter.	548
Understand the vocabulary of algebra, including the words term and factor.	151	Calculate the perimeter of a shape made from rectangles where all the values required are given.	549
Understand that algebraic operations follow the same conventions and order as arithmetical operations.	152	Calculate the perimeter of a shape made from triangles, rectangles and other quadrilaterals where all the values required are given.	549
Simplify expressions involving one variable by collecting like terms.	156	When given the input, find the output from a function.	288
Simplify expressions involving more than one variable by collecting like terms.	157	When given the output, find the input for a function.	288
Write expressions using powers.	173	Find the function, when given the input and output.	288
Solve simple proportion problems using unitary method	339	Solve one-step linear equations, e.g. $3x = 9$ , $x - 5 = 8$ , where the answers are positive integers.	178
Use proportion in real contexts (direct only).	339	Translate a point when given instructions using left, right, up, down.	637/638
Understand ratio	328	Translate a 2d shape when given instructions using left, right, up, down.	637/638
Understand and use ratio notation	328	Describe the translation of a 2d shape using left, right, up, down.	637/638
Reduce a ratio to its simplest form	329	Recognise and name polygons	822
Use ratio in relation to standard and compound units	330	Understand the terminology (e.g. regular, irregular, etc), notation (e.g. for parallel sides, equal, sides, etc) and properties relating to polygons.	822
Use scale diagrams and maps	864	Use language associated with angle, including angle types	455
Relate ratios to fractions	330	Know angles are measured in degrees, estimate and compare acute, obtuse and reflex angles	457
Express a relationship between two quantities as a ratio or a fraction	330	Draw and measure acute and obtuse angles to $\pm 2^\circ$	461
Read, write, order and compare money	743	Draw and measure reflex angles to $\pm 2^\circ$	461
Know and use standard units of mass, length, time, money and other measures	691	Understand and use three figure bearings to specify direction	492
Solve problems involving converting between units of time.	709	Measure the bearing of a point B from a point A	492
Choose appropriate units for estimating or carrying out measurements	691	Mark on a diagram the position of the point B given its bearing from point A	492
Convert between units of measure in the same system	692	Measure or draw a bearing between the points on a map or scaled plan	493
Solve problems involving the addition and subtractions of units of measure.	714		