



DRAYTON MANOR HIGH SCHOOL

Year 10 Higher Revision checklist

Objective	Mathswatch clip	Learn	Revise	Do
Angles around a point, on a straight line and v. opposite angles	45			
Angles in parallel lines (alt, corr and co-int angles)	120			
Solve problems involving all of the above (providing reasons)	120			
Bearings	124			
Derive and use angles in a triangles and quadrilaterals	121			
Angles in special triangles	122			
To understand similarity and use scale factors	144			
To be able to recognise and use congruence (SSS, SAS, ASA, RHS)	166			
To be able to find and use the scale factors for area and volume from the linear scale factor	200			
Finding exterior angles in polygons	123			
Finding interior angles in polygons (using angles on a straight line)	123			
Deduce the sum of interior angles of any polygon and use $(n-2)*180$	123			
Interpreting bar charts and pie charts and draw and interpret Twoway tables	58			
	61			
Drawing bar charts, frequency polygons, vertical line charts and pie charts	15			
	128a			
	65a			
	65b			
	64			
	63			
Stem and Leaf Diagrams	128b			
Finding the mean, mode and median	62			
Find the M/M/M from a frequency table	130a			
	130b			
Finding the interquartile range and drawing box plots from discrete data	187			
Be able to identify outliers and explain their effect on averages/ranges	62			
Construct and Interpret Histograms w/ equal and unequal class widths	205			
Equivalent and simplifying fractions and Reciprocals	70			
	76			
Fractions and Percentages of amounts	72			
	87			
	86			
Adding and Subtracting Fractions and Mixed Numbers	71a			
Multiplying and Dividing Fractions and Mixed Numbers	73			
	74			
Converting between fractions, decimals and percentages	84			
	85			
Ordering F (and mixed numbers),D and P	3			

	70			
	85			
Converting recurring decimals to fractions	177			
	189			
Converting between recurring decimals and fractions	189			
Converting recurring decimals to fractions to solve a problem (like adding two fractions)	189			
Writing formulae from sentences and distinguishing between expressions, inequalities, formulae and identities	137			
	36			
Substitution (positive and negative numbers)	95			
Changing the Subject of Formulae	136			
Changing the Subject of Formulae	190			
Mapping diagrams and composite functions	215			
Inverse functions	214a			
	214b			
Expanding and factorising quadratics (with/without coeff) and difference of two squares	134b			
Expanding products of three binomials	178			
Simplifying algebraic fractions involving quadratics	210a			
Proof	156			
	193			
Estimating by rounding to a given degree of accuracy	91			
Use estimations to check answers and adjust place values	1			
	92			
Using a calculator (inc. memory)	77			
conversions in metric units	112			
compound measures (SDT, DMV)	142			
Upper and Lower Bounds	132			
	206			
Upper and Lower Bounds and Error Intervals	155			
Solving two step equations (brackets, negatives)	135a			
Solving equations involving fractions (and implied brackets)	210b			
Solving Equations with the unknown on both sides	135a			
Solving harder equations involving fractions	135a			
Forming and Solving Equations	137			
Solving quadratics with/without coeff of x^2 by factorising	192			
Completing the square	209a			
	209b			
Quadratic formula (must be learnt)	191			
Forming and Solving quadratic equations	157			
Simultaneous Equations (elimination and substitution)	162			
Simultaneous Equations (leading to quadratics)	211			
Solving Simultaneous Equations Graphically	140			
Solving Inequalities and representing the Solution on a Number Line	138			
	139			
Forming and Solving Simultaneous Equations	137			
Solving Equations using Trial and Improvement	180			
Using iteration formulae to find a solution to a given number of decimal places	180			