DRAYTON MANOR HIGH SCHOOL

Year 10 Foundation Revision checklist

Objective	Mathswatch clip	Learn	Revise	Do
Angles around a point, in a triangle and on a straight line and vert opposite angles	45			
Angles in parallel lines	120			
Identify Special quadrilaterals and derive and use their angle properties	121			
Angles in special triangles	122			
Angle problems (providing reasons)	121			
Bearings	124			
To understand similarity and use scale factors	144			
To be able to recognise congruence (SSS, SAS, ASA, RHS)	166			
Finding exterior angles in polygons	10			
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			
Solve problems involving angles in polygons	123			
Collecting data and using and interpreting two-way tables	58			
	61			
Drawing and interpreting pictograms and vertical line charts	16			
	64			
	63			
Drawing and interpreting bar charts and frequency polygons	15			
	65a			
	65b			
Drawing and interpreting pie charts	128a			
Stem and Leaf Diagrams	128b			
Finding the mean, mode and median	62			
Find the M/M/M from a frequency table	130a			
	130b			
Knowing the advantages and disadvantages of different averages and comparing distributions using averages and range	62			
Equivalent fractions and reciprocals	25			
	76			
Simplifying fractions	26			
Converting between improper fractions and mixed numbers	70			
Fractions of amounts	72			
Percentages of amounts	40			
	87			
	86			
Adding and subtracting fractions	71a			
Adding and subtracting fractions and mixed numbers	71a			
Multiplying fractions, including cancelling common factors	73			
Multiplying and dividing fractions and mixed numbers	74			
Converting between fractions and percentages	3			

Converting between fractions, decimals and percentages	84			
	70			
Converting between fractions, decimals and percentages	85			
Writing formulae from sentences	137			
Substitution (positive and negative numbers)	36			
	95			
Using standard formulae (e.g. kinematics)	95			
Changing the Subject of Formulae	136			
Distinguishing between expressions, equations, inequalities, formulae and identities	137			
Expanding and factorising quadratics (no coeff of x)	134b			
Difference of two squares	158			
Distinguishing between, and factorising : x^2 - 4 and x^2 - 4x	94			
Solving two step equations (including negative solutions)	135a			
Solving two step equations (including improper fractions as solutions)	135a			
Solving equations by reading off graphs (provide graphs if unable to plot)	135a			
Forming and Solving Equations	137			
Solving Equations with the unknown on both sides	135a			
Solving Equations with the unknown on both sides	135a			
Forming and Solving Equations with the unknown on both sides	135a			
Solving quadratics without coeff of x^2 by factorising	157			
Solving quadratic equations by reading off graphs (provide graphs if unable to plot)	160			
Simultaneous Equations Graphically	140			
Simultaneous Equations (elimination)	162			
Simultaneous Equations (substitution)	162			
Forming and Solving Simultaneous Equations	137			
Solving Inequalities and representing solutions on a number line	139			
Solving Inequalities and representing solutions on a number line	138			
Scale drawings - finding distances on a map/ in real life	38			
Bearings on a map	124			
Area of quadrilaterals and triangles	54			
	55			
	56			
Area and Perimeter of 2D shapes	52			
Area and Perimeter of compound 2D shapes	52			
	117			
Translation and Reflection	50			
	48			
Reflection in lines such as y = -2, y = x etc.	48			
Rotation	49			
Enlargement	148			
Enlargement from a point (integer and fractional)	148			
Combinations of Transformations	182			
Probability Experiments and Relative Frequency	125			
Expected frequency	125			
Theoretical Probability	59			
Compare experimental to theoretical probability	125			

Mutually Exclusive Events	14			
	60			
Sample Space Diagrams	69			
Sample Space Diagrams	126			
Estimating by rounding to a given degree of accuracy	91			
Use Inequality notation to express to specify error intervals	132			
	155			
Estimating by rounding and estimating sq roots	81			
Use estimations to check answers and adjust place values	1			
	92			
Using a calculator	77			
conversions in metric units	112			
compound measures (SDT, DMV)	142			