



# Finham Park School



## KS3 Maths Assessment Statements – Year 7

Working Towards		Working At		Greater Depth	
<p><b>Number:</b> I understand place value involving integers I know Factors and Multiples of numbers I can find simple percentages</p>	<input type="checkbox"/>	<p><b>Number:</b> I understand place value involving decimals I understand HCF and LCM I can find percentages of amounts</p>	<input type="checkbox"/>	<p><b>Number:</b> I can solve problems using HCF and LCM I can use patterns to solve number problems</p>	<input type="checkbox"/>
<p><b>Algebra:</b> I understand simple formula I can find missing values in a calculations I understand simple sequences</p>	<input type="checkbox"/>	<p><b>Algebra:</b> I know Algebra vocabulary I can collect like terms I understand how to use function machines I understand sequences</p>	<input type="checkbox"/>	<p><b>Algebra:</b> I recognise expressions and equations I can recognise and use complex sequences and patterns</p>	<input type="checkbox"/>
<p><b>Geometry:</b> I can name and measure angles I can recognise and name shapes</p>	<input type="checkbox"/>	<p><b>Geometry:</b> I can draw and measure angles I can find missing angles in angle diagrams</p>	<input type="checkbox"/>	<p><b>Geometry:</b> I understand worded problems within shapes I can calculate missing angles using rules for special triangles and quadrilaterals I can find the angle sum in a polygon</p>	<input type="checkbox"/>
<p><b>Statistics:</b> I can draw and read simple graphs I can work out the mean from a set of data</p>	<input type="checkbox"/>	<p><b>Statistics:</b> I can find values in a part chart using proportion I understand venn diagrams I understand basic Probability I can work out averages from a set of data</p>	<input type="checkbox"/>	<p><b>Statistics:</b> I can read information from charts and put them into context I know that probability is out of one and can find the probability an even will not happen</p>	<input type="checkbox"/>

**CURRICULUM INTENT:**

“To equip students with the skills and confidence they need to be able to work/tackle the mathematical challenges they will face in everyday life, showing a fluency of understanding of numerical methods.”



# Finham Park School



## KS3 Maths Assessment Statements – Year 8

Working Towards		Working At		Greater Depth	
Number: I understand factors and multiples I can calculate simple percentages	<input type="checkbox"/>	Number: I can write a number as a product of its prime factors I can calculate percentage change	<input type="checkbox"/>	Number: I can show HCF and LCM using prime factorisation I can calculate with negative indices I can use percentages to solve real life problems	<input type="checkbox"/>
Algebra: I recognise expressions and equations I can collect like terms	<input type="checkbox"/>	Algebra: I can expand and factorise single brackets I can solve multi step equations I can find the nth term of a sequence	<input type="checkbox"/>	Algebra: I can use algebra to solve missing angle and area problems I can form and solve equations	<input type="checkbox"/>
Geometry: I understand coordinates in all four quadrants I can calculate angles in diagrams	<input type="checkbox"/>	Geometry: I can calculate angles in parallel lines I can calculate areas and perimeters of shapes including circles	<input type="checkbox"/>	Geometry: I can calculate area and perimeter of half and quarter circles	<input type="checkbox"/>
Statistics: I can draw bar charts, line charts and pictograms	<input type="checkbox"/>	Statistics: I can use a frequency table to calculate averages I can use Diagrams to represent data	<input type="checkbox"/>	Statistics: I can use diagrams to compare data I can use averages to compare data I can explain data in a scatter diagram	<input type="checkbox"/>
Ratio & Proportion: I can simplify ratio I can find ratio of amounts I understand proportion	<input type="checkbox"/>	Ratio & Proportion: I can split a ratio into a given amount I can put a ratio into the form 1:n I can calculate conversions	<input type="checkbox"/>	Ratio & Proportion: I can convert between currencies I understand inverse proportion	<input type="checkbox"/>

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## KS3 Maths Assessment Statements – Year 9

Working Towards		Working At		Greater Depth	
Number: I can use standard form I can find HCF and LCM I can express a number as a product of its prime factors	<input type="checkbox"/>	Number: I can calculate with standard form I can use index laws and fractional indices I can calculate compound interest I can show one number as a percentage of another	<input type="checkbox"/>	Number: I can solve original percentage problems I understand error bounds I can calculate with negative and fractional indices	
Algebra: I can use algebraic vocabulary I can solve equations involving brackets	<input type="checkbox"/>	Algebra: I can solve equations with variables on both sides I can expand two brackets I can draw straight line graphs	<input type="checkbox"/>	Algebra: I can factorise and solve quadratics I can solve simultaneous equations I can draw quadratic graphs	
Ratio & Proportion: I can split an amount into a given ratio I can show something as a proportion I can calculate best buys	<input type="checkbox"/>	Ratio & Proportion: I understand compound units I can use SDT I can find the missing value in a ratio	<input type="checkbox"/>	Ratio & Proportion: I can use relationships to solve real life problems I understand both direct and inverse proportion I understand how ratio is linked to volume	<input type="checkbox"/>
Geometry: I can find area and perimeter of shapes I can calculate angles in parallel lines	<input type="checkbox"/>	Geometry: I can find the volume and surface area of shapes I can solve angles in polygons	<input type="checkbox"/>	Geometry: I can solve angle problems with equations I can find the surface area and volume of cones, spheres and pyramids	<input type="checkbox"/>
Statistics: I understand frequency tables I can draw scatter graphs and read from them	<input type="checkbox"/>	Statistics: I can find the mean from a grouped frequency table I can draw and analyse stem and leaf charts	<input type="checkbox"/>	Statistics: I can find the median from a grouped frequency table I can find the line of best fit on a scatter graphs	

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