

St John Baptist School Maths Ladder Year 7

Statistics	Fractions	Measures (Extension)	Properties of Number	Problem solving
21) I can calculate the probability of an independent event.	31) I can multiply more complex pairs of proper fractions e.g. $\frac{3}{5} \times \frac{4}{7}$.	28) I can understand compound units for speed and use them in context e.g. science experiments.	15) I can identify square roots and cube roots which give integer solutions (whole number answers).	35) I can solve real life and financial problems e.g. comparing holiday packages or working out household, bills
22) I can read and interpret linear proportional graphs (e.g. speed).	32) I can recognise and explore the relationship between multiplying by a whole number and dividing by its reciprocal.	Position and Direction	16) I can identify the region for solutions of square roots (not square numbers) and use this as a starting point for trial and improvement.	Perimeter and Area
Ratio and Proportion	Shape	15) I can express missing co-ordinates algebraically.	Decimals	13) I can calculate area and perimeter of compound shapes including parallelograms and triangles.
10) I can link % to calculating simple angles in a pie chart (e.g. recognise that 50% is 180°)	30) I can solve problems using my knowledge of circle properties.		20) When using a calculator to solve problems, I can round the answer appropriately in context.	
11) I can solve more complex problems using a unitary method (i.e. scaling down to 1 and then up again).			21) I can recognise what degree of accuracy is appropriate when rounding decimals.	