

## S4 General Prelim Topics to Revise

Pupil's Name :
Date :

Parents sign :
Date :

Pupils should use extension booklet for revision and online resources at [www.mathsrevision.com](http://www.mathsrevision.com)

General Prelim Topics		Date Revised
<b>Basic Calculations</b>		
1	Mutlplying and dividing by 20,30 etc...	
	Fractions	
	Decimals	
	<b>Scientific Notation</b>	
2	Large and small numbers	
	<b>Symmetry</b>	
3	Reflections	
	Tiling	
<b>Probability</b>		
4	Chance of an event happening	
	<b>Distance, Speed and Time</b>	
5	Calculating distance	
	Calculating speed	
	Calculating time	
	Converting time	
<b>Negative Numbers</b>		
6	Addition and subtraction	
	<b>Linear Patterns</b>	
7	Finding the rule	
	Using the rule	
<b>Money</b>		
8	Calculating costs	
	Hire purchase / Instalments	
	Working with lists	
	Pay and Hourly rates	

General Prelim Topics		Date Revised
<b>Composite Area</b>		
9	Area of a rectangle	
	Area of a triangle	
	Area of a circle	
<b>Trigonometry</b>		
10	Sine ratio - calculating length or angle	
	Cosine ratio - calculating length or angle	
	Tangent ratio - calculating length or angle	
<b>Percentages</b>		
11	Working out percentage calcuations	
	Percentage increase / decrease	
<b>Algebra</b>		
12	Multiplying out brackets / Factorising	
	Solving equations	
<b>Pythagoras Theorem</b>		
13	Calculating largest side	
	Calculating smaller side	
<b>Volume</b>		
14	Calculate volume of a cuboid	
	Calculate volume of a cylinder	
	Convert units of a solid	
	Convert units of a liquid	
<b>Scale Drawings</b>		
15	Understand bearings	
	Understand scale	
	Drawing scale diagrams	