

Term	Week	Focus	Summary	Learning Outcomes	Learning skills
<b>Term 1.1</b>	1		Baseline Assessments and orientation	Introduction lessons and baseline assessments.	<ul style="list-style-type: none"> <li>Automaticity</li> <li>Meta-cognition</li> <li>Resilience</li> </ul>
	2	Number	Prime Numbers and Prime Factorisation	Product of prime factors using Factor tree, Finding LCM, HCF using Venn diagram/factor tree	<ul style="list-style-type: none"> <li>Critical and logical thinking</li> <li>Precision</li> <li>Intellectual playfulness</li> </ul>
	3	Number	HCF and LCM	LCM, HCF reverse problems, worded problems	<ul style="list-style-type: none"> <li>Speed and accuracy</li> <li>Automaticity</li> <li>Flexible thinking</li> </ul>
	4	Number	Multiplying and dividing by powers of 10	To identify the correct place value, to multiply, divide using powers of 10, multiply and divide by 0.1 and 0.01 and to use inverse and related calculations.	<ul style="list-style-type: none"> <li>Problem solving</li> <li>Strategy planning</li> <li>Meta-cognition</li> </ul>
	5	Number	Estimation and rounding	Rounding to 1/2/3 dp, 1/2/3 sf, effects of rounding on estimation	<ul style="list-style-type: none"> <li>Problem solving</li> <li>Fluent thinking</li> <li>Generalisation</li> </ul>
	6	Ratio and proportion	Fractions: 4 operations	Add, subtract, multiply and divide mixed and improper fractions including worded problems.	<ul style="list-style-type: none"> <li>Critical and logical thinking</li> <li>Precision</li> <li>Intellectual playfulness</li> </ul>

**Term 1.2**

	1	Ratio and proportion	Ratio	Writing ratio's as $n : 1 / 1 : n$ - comparing ratio's by using this method, Writing ratio as fractions and equations,	<ul style="list-style-type: none"> <li>• Originality</li> <li>• Fluent thinking</li> <li>• Generalisation</li> </ul>
	2	Ratio and proportion	Ratio	Combining ratio's $a:b$ and $b:c$ , find the ratio $a:b:c$ , worded problems	<ul style="list-style-type: none"> <li>• Speed and accuracy</li> <li>• Automaticity</li> <li>• Flexible thinking</li> </ul>
	3	Ratio and proportion	Length in Similar Shapes	Recognise similar shapes; compare lengths (lengths of lines and lengths of sides of 2D shapes); calculate the scale factor of similar shapes, find missing sides of similar shapes.	<ul style="list-style-type: none"> <li>• Strategy planning</li> <li>• Connection finding</li> <li>• Self regulation</li> </ul>
	4	Ratio and proportion	Pie Charts	Draw pie charts given a frequency table and vice versa; read and interpret Pie chart using key information.	<ul style="list-style-type: none"> <li>• Originality</li> <li>• Fluent thinking</li> <li>• Generalisation</li> </ul>
	5	Shape, Space and Measure	2D Pythagoras' Theorem	To state Pythagoras' Theorem and apply this by labelling right-angled triangles. To find a missing hypotenuse length. To find a missing shorter side length.	<ul style="list-style-type: none"> <li>• Big picture thinking</li> <li>• Hard working</li> <li>• Self regulation</li> </ul>
	6	Shape, Space and Measure	Circles	Calculate the area and circumference of a full circle when given the radius/diameter, calculate the area and circumference of semi or quarter circles, calculate the radius or diameter given the area or circumference, area of a shaded region by finding multiple areas.	<ul style="list-style-type: none"> <li>• Problem solving</li> <li>• Strategy planning</li> <li>• Meta-cognition</li> </ul>