

# Mathematics Year 8

## Learning Intentions Spring Term 1

2024-2025

	LESSON 1	LESSON 2	LESSON 3
WEEK 17 wc 13 <sup>th</sup> January	<ul style="list-style-type: none"><li>• Draw scatter graphs.</li><li>• Describe types of correlation.</li><li>• Draw a line of best fit on a scatter graph.</li></ul>	<ul style="list-style-type: none"><li>• Interpret graphs and charts.</li><li>• Explain why a graph or chart could be misleading.</li></ul>	<ul style="list-style-type: none"><li>• Use and interpret conversion graphs.</li><li>• Plot conversion graphs from a table of data.</li></ul>
WEEK 18 wc 20 <sup>th</sup> January	<ul style="list-style-type: none"><li>• Interpret distance-time graphs.</li><li>• Plot distance-time graphs from descriptive text.</li><li>• Draw and use graphs to solve distance-time problems.</li></ul>	<ul style="list-style-type: none"><li>• Plot line graphs from tables of data.</li><li>• Interpret line graphs.</li></ul>	<ul style="list-style-type: none"><li>• Draw and interpret line graphs and identify trends.</li></ul>
WEEK 19 wc 27 <sup>th</sup> January	<ul style="list-style-type: none"><li>• Draw and interpret non-linear graphs from a range of sources.</li></ul>	<ul style="list-style-type: none"><li>• Round decimals to two or three decimal places.</li><li>• Round numbers to a given number of significant figures.</li></ul>	<ul style="list-style-type: none"><li>• Order decimals of any size, including positive and negative decimals.</li></ul>
WEEK 20 wc 3 <sup>rd</sup> February	<ul style="list-style-type: none"><li>• Multiply larger numbers.</li><li>• Multiply decimals with up to and including two decimal places.</li></ul>	<ul style="list-style-type: none"><li>• Multiply any number by 0.1 and 0.01.</li></ul>	<ul style="list-style-type: none"><li>• Divide by 0.1 and 0.01.</li><li>• Multiply and divide by decimals.</li></ul>
WEEK 21 wc 10 <sup>th</sup> February	<ul style="list-style-type: none"><li>• Solve problems involving decimals and all four operations.</li></ul>	<ul style="list-style-type: none"><li>• Divide a quantity into three or more parts in a given ratio.</li><li>• Use ratios involving decimals.</li></ul>	<ul style="list-style-type: none"><li>• Solve ratio and proportion problems involving decimals.</li><li>• Use unit ratios.</li></ul>