



THE RIVERS
SECONDARY COLLEGE
RICHMOND RIVER HIGH CAMPUS

The heart of secondary education for Lismore

Year 7 MATHEMATICS 2025

Semester 1 Test - PRACTICE TEST

- Representing Numbers
- Additive Thinking

Time allowed: one period

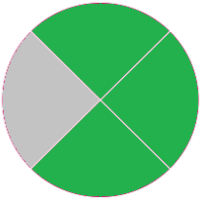
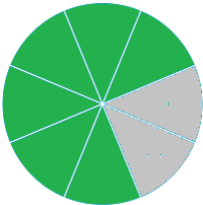



Outcome/s	mark
MA4-INT-C-01 compares, orders and calculates with integers to solve problems	/17
MA4-FRC-C-01 represents and operates with fractions, decimals and percentages to solve problems	/13


Name: _____

Teacher: _____

Class: _____

Part 1 – Representing Number

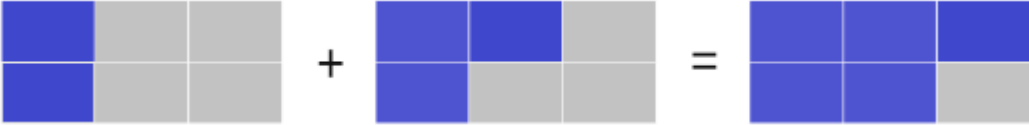
Q		Marks
Q1	<p>Circle any of the following diagrams that represent $\frac{3}{4}$?</p> <p>a. </p> <p>b. </p> <p>c. </p> <p>d. </p>	<p>2 marks for all correct answers 1 mark for some correct answers</p>
Q2	<p>Consider the number line below.</p>  <p>Plot the number 2.4 on the number line.</p>	<p>1 mark</p>

<p>Q3</p>	<p>Round 1.46 to the nearest tenth. Explain your solution.</p> <div data-bbox="331 253 1137 725" data-label="Figure"> <p>1 ones 4 tenths 6 hundredths</p> </div>	<p>2 marks 1 mark for answer 1 mark for explanation</p>
<p>Q4</p>	<p>Draw counters to represent the number -4</p> <p>An example of a negative counter could be </p>	<p>1 mark</p>
<p>Q5</p>	<p>What integer is represented by the image below? Explain your answer.</p> <div data-bbox="212 1749 475 2078" data-label="Figure"> </div>	<p>1 mark</p>

Q6	<div data-bbox="231 181 1276 880"> </div> <p>a. Using the fraction wall, or otherwise, list 2 equivalent fractions of $\frac{1}{4}$.</p> <p>b. Using the fraction wall, or otherwise, simplify $\frac{2}{6}$.</p> <p>c. Simplify $\frac{15}{20}$</p>	<p>5 marks</p> <p>2 marks fully correct 1 mark partially correct</p> <p>1 mark</p> <p>2 marks fully simplified 1 mark partial</p>
Q7	<p>Fill in the in the gaps on the number line below:</p> <div data-bbox="193 1621 1023 1749"> </div>	<p>2 marks fully correct 1 mark partially correct</p>
Q8	<p>What is the value of A on the following number line?</p> <div data-bbox="185 1939 1326 1995"> </div>	<p>1 mark</p>

Q9	<p>Use < and > to make the following statements true</p> <p>(a) $5 __ 3$</p> <p>(b) $2 __ -3$</p>	<p>1 mark</p> <p>1 mark</p>
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Part 2 – Additive Thinking

Question	Fractions, Decimals & Percentages	Marks				
Q1	<div></div> <p>Write the number sentence _____</p>	1 mark				
Q2	<div>Evaluate the following and simplify your answer.</div> <table><tr><td>$\frac{1}{4} + \frac{2}{5}$</td><td>$\frac{3}{4} - \frac{1}{3}$</td></tr><tr><td>$1.45 + 2.52$</td><td>$1.45 - 0.32$</td></tr></table>	$\frac{1}{4} + \frac{2}{5}$	$\frac{3}{4} - \frac{1}{3}$	$1.45 + 2.52$	$1.45 - 0.32$	8 marks 2 marks each for correct answer 1 mark each for partial attempt
$\frac{1}{4} + \frac{2}{5}$	$\frac{3}{4} - \frac{1}{3}$					
$1.45 + 2.52$	$1.45 - 0.32$					
Q3	<div>Use either a number line or draw counters to solve:</div> <div>a) $-3 + 3$</div> <div>b) $-3 + 4$</div> <div>c) $4 + -3$</div>	4 marks				

	d) -2 --1	
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