



Year 7 MATHEMATICS 2025

Semester 1 Test - PRACTICE TEST

- Representing Numbers
- Additive Thinking

Time allowed: one period

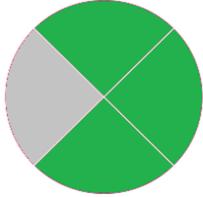
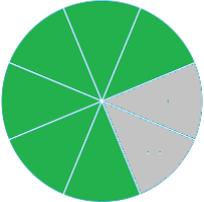
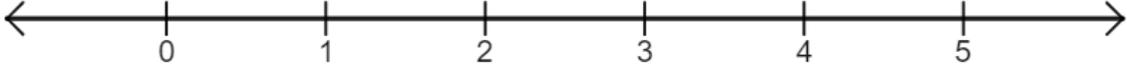
Outcome/s	mark
MA4-INT-C-01 compares, orders and calculates with integers to solve problems	/17
MA4-FRC-C-01 represents and operates with fractions, decimals and percentages to solve problems	/13

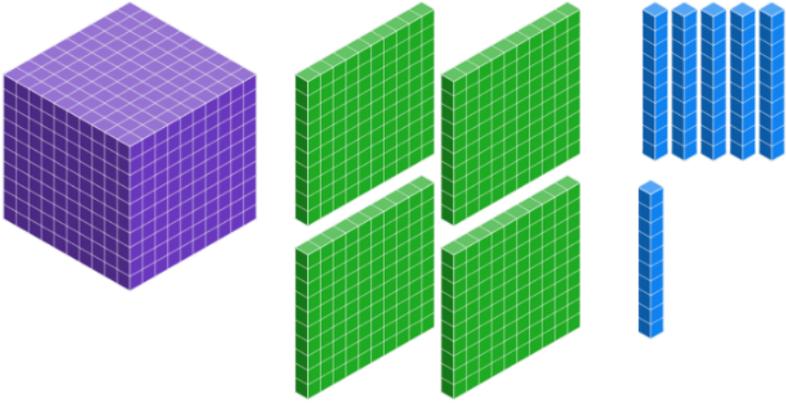
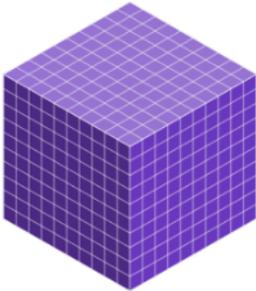
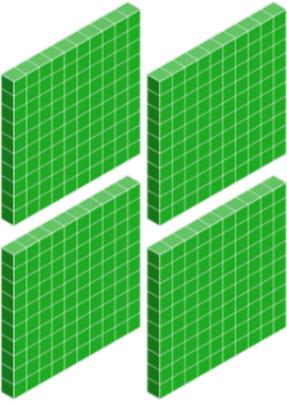
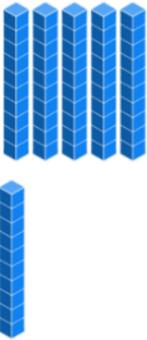
Name: _____

Teacher: _____

Class: _____

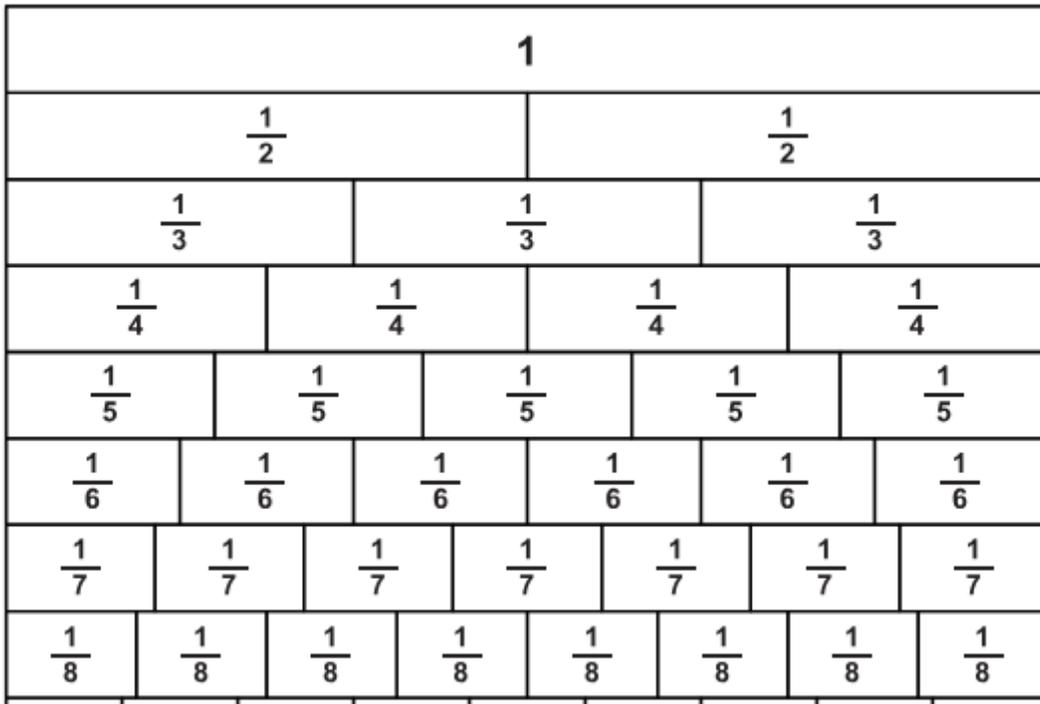
Part 1 – Representing Number

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>	1 mark

<p>Q3</p>	<p>Round 1.46 to the nearest tenth. Explain your solution.</p> <div style="text-align: center;">  </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="text-align: center;">  1 ones </div> <div style="text-align: center;">  4 tenths </div> <div style="text-align: center;">  6 hundredths </div> </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 style="display: flex; align-items: center; margin-top: 20px;"> <div style="margin-right: 20px;">  </div> <div>  </div> </div>	<p>1 mark</p>

Q6

5 marks



a. Using the fraction wall, or otherwise, list 2 equivalent fractions of $\frac{1}{4}$.

2 marks
fully correct
1 mark
partially correct

b. Using the fraction wall, or otherwise, simplify $\frac{2}{6}$.

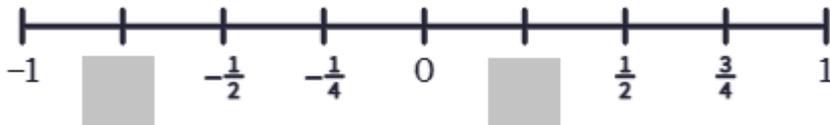
1 mark

c. Simplify $\frac{15}{20}$

2 marks
fully simplified
1 mark
partial

Q7

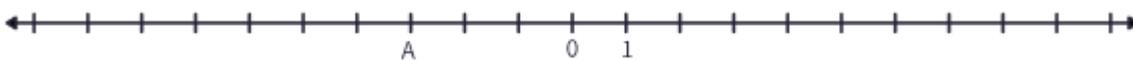
Fill in the in the gaps on the number line below:



2 marks
fully correct
1 mark
partially correct

Q8

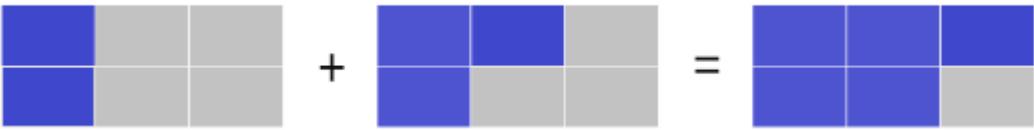
What is the value of A on the following number line?



1 mark

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

Question	Fractions, Decimals & Percentages	Marks				
Q1	 <p>Write the number sentence _____</p>	1 mark				
Q2	<p>Evaluate the following and simplify your answer.</p> <table border="1" data-bbox="252 723 1310 1357"> <tbody> <tr> <td data-bbox="252 723 778 1028"> $\frac{1}{4} + \frac{2}{5}$ </td> <td data-bbox="778 723 1310 1028"> $\frac{3}{4} - \frac{1}{3}$ </td> </tr> <tr> <td data-bbox="252 1028 778 1357"> $1.45 + 2.52$ </td> <td data-bbox="778 1028 1310 1357"> $1.45 - 0.32$ </td> </tr> </tbody> </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	<p>Use either a number line or draw counters to solve:</p> <p>a) $-3 + 3$</p> <p>b) $-3 + 4$</p> <p>c) $4 + -3$</p>	4 marks				

	d) -2 --1	
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