

# Guide to making judgments — Year 4 Mathematics Student .....

**Purpose:** To demonstrate mathematical thinking and reasoning when solving problems.

Knowledge and understanding Thinking and reasoning	Knowledge and understanding Thinking and reasoning	Reflecting	Communicating	
<p>Uses mathematical strategies to generate shopping and fundraising solutions.</p> <p>Q 3–7,10</p>	<p>Uses mathematical strategies to generate time-related solutions.</p> <p>Q 8, 9</p>	<p>Identifies the contribution of mathematics in the hermit crab project and applies new understandings to other situations.</p> <p>Q 1, 2, 11</p>	<p>Uses everyday and mathematical language and working to communicate thinking and reasoning.</p> <p>Q 3, 8, 10</p>	
<p>◀ Uses appropriate strategies to generate correct solutions.</p> <p>◀ Uses appropriate strategies to generate mostly correct solutions.</p> <p>◀ Uses operations to generate a possible solution.</p> <p>◀ Provides some progress towards a solution.</p>	<p>◀ Completes Table 1 and 2 correctly.</p> <p>◀ Completes Table 1 correctly and Table 2 mostly correctly.</p> <p>◀ Completes Table 1 correctly OR Completes two start/finish times correctly with some success in completing Table 2 using answers from Table 1.</p> <p>◀ Completes one start or finish time in Table 1 correctly.</p>	<p>◀ Consistently identifies how mathematics is used in the project and how learning can be applied in three new situations.</p> <p>◀ Identifies examples of how mathematics is used in the project and identifies new situations.</p> <p>◀ Makes statements unrelated to mathematics.</p>	<p>◀ Communicates thinking and reasoning using clear and precise mathematical working or explanations. Correct units are used consistently.</p> <p>◀ Communicates thinking and reasoning using appropriate mathematical working or explanations.</p> <p>◀ Provides some working or explanation.</p>	<p><b>A</b></p> <p><b>B</b></p> <p><b>C</b></p> <p><b>D</b></p> <p><b>E</b></p>

**Feedback** .....

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