

MATHEMATICS JOURNAL

Math Formative Assessment Rubric for **Small Problem 2: Measurement**

Achievement Level and Focus Area	1 Beginning ★	2 Developing ★★	3 Achieving ★★★	4 Excelling ★★★★
Our Math	Our work shows that we need more help to understand this math concept	Our work shows some understanding of this math concept	Our work shows that we have a good understanding of this math concept	Our work shows that we have a thorough understanding of this math concept
Solution	<ul style="list-style-type: none"> We still need to solve the problem or our answer is incorrect. 	<ul style="list-style-type: none"> We solved part of the problem correctly or made some small errors. 	<ul style="list-style-type: none"> We solved the problem correctly and labeled our answer. 	<ul style="list-style-type: none"> We solved the problem correctly using an efficient strategy and labeled our answer.
Explanation	<ul style="list-style-type: none"> We should have included an explanation or description. 	<ul style="list-style-type: none"> Our explanation or description is unclear or incomplete. 	<ul style="list-style-type: none"> Our explanation or description is strong. We used some mathematical vocabulary. 	<ul style="list-style-type: none"> Our explanation or description is very strong. We used precise mathematical vocabulary.
Record	<ul style="list-style-type: none"> We should have used a drawing or diagram, a graph or an equation to support our thinking. 	<ul style="list-style-type: none"> We attempted to use a drawing or diagram, a graph or an equation to support our thinking. 	<ul style="list-style-type: none"> We used a clear drawing or diagram, a graph, or an equation to support our thinking. 	<ul style="list-style-type: none"> We used a very clear drawing or diagram, a graph, or an equation to support our thinking.
My Skills	<p>Thinking</p> <p>Comprehension</p> <ul style="list-style-type: none"> I can understand what we are learning about when it is shown or explained to me. <p>Application</p> <ul style="list-style-type: none"> I can follow someone else's demonstration. <p>Metacognition</p> <ul style="list-style-type: none"> I can listen to others say what they are thinking. <p>Group decision-making</p> <ul style="list-style-type: none"> I listen to others. 	<p>Comprehension</p> <ul style="list-style-type: none"> I have understood what we are learning about. <p>Application</p> <ul style="list-style-type: none"> I need some help to apply what I have learned. <p>Metacognition</p> <ul style="list-style-type: none"> I can say what I am thinking. <p>Group decision-making</p> <ul style="list-style-type: none"> I listen to others and discuss ideas. 	<p>Comprehension</p> <ul style="list-style-type: none"> I have understood what we are learning about and I can communicate it. <p>Application</p> <ul style="list-style-type: none"> I can apply what I have learned. <p>Metacognition</p> <ul style="list-style-type: none"> I can say what I think and explain how I think. <p>Group decision-making</p> <ul style="list-style-type: none"> I listen to others, discuss ideas and ask questions. 	<p>Comprehension</p> <ul style="list-style-type: none"> I have understood what we are learning about. I can communicate my understanding of it. <p>Application</p> <ul style="list-style-type: none"> I can apply what I have learned in new situations and help others too. <p>Metacognition</p> <ul style="list-style-type: none"> I can explain our thinking and how we think. <p>Group decision-making</p> <ul style="list-style-type: none"> I listen to others, discuss ideas and ask questions. I can work towards and reach a consensus with my group.
Self-Management	<p>Organisation</p> <ul style="list-style-type: none"> I begin solving the problem straight away. <p>Time Management</p> <ul style="list-style-type: none"> I can follow time plans and observe others finding a solution. <p>Codes of Behaviour</p> <ul style="list-style-type: none"> I can work in a group with some help from others. 	<p>Organisation</p> <ul style="list-style-type: none"> I plan out the steps before I begin. <p>Time Management</p> <ul style="list-style-type: none"> I need some help to focus or find an accurate solution. <p>Codes of Behaviour</p> <ul style="list-style-type: none"> I can suggest how we should work in a group. 	<p>Organisation</p> <ul style="list-style-type: none"> I plan and carry out the steps. <p>Time Management</p> <ul style="list-style-type: none"> I worked to achieve an accurate solution. <p>Codes of Behaviour</p> <ul style="list-style-type: none"> I can work effectively in a group. 	<p>Organisation</p> <ul style="list-style-type: none"> I plan and carry out the steps effectively. <p>Time Management</p> <ul style="list-style-type: none"> I am focussed and succeeded with a accurate solution in minimum time. <p>Codes of Behaviour</p> <ul style="list-style-type: none"> I help myself and others to work effectively in a group.
My Attitudes	<p>Circle which sentences are true for the Math task:</p> <p>I am committed to learning what I need to in Math. I persevere to solve the problem. I show self-discipline to stay focussed and work with others. I show responsibility to others and my Math.</p> <p>I feel confident in my Math ability and my skills. I take risks to try new strategies. I apply the Math I have learned as soon as I can. I make good choices and decisions in Math and in a group.</p> <p>I work cooperatively. I use my manners. I share materials. I take turns. I work out the Math steps with my partners. I work out a Math solution with my partners. I lead kindly. I follow well.</p> <p>I am creative in thinking about a Math solution. I am creative in working out how to solve the Math problem. I am creative in working out how to solve any problems within our group.</p>	<p>I am committed to learning what I need to in Math. I persevere to solve the problem. I show self-discipline to stay focussed and work with others. I show responsibility to others and my Math.</p> <p>I feel confident in my Math ability and my skills. I take risks to try new strategies. I apply the Math I have learned as soon as I can. I make good choices and decisions in Math and in a group.</p> <p>I work cooperatively. I use my manners. I share materials. I take turns. I work out the Math steps with my partners. I work out a Math solution with my partners. I lead kindly. I follow well.</p> <p>I am creative in thinking about a Math solution. I am creative in working out how to solve the Math problem. I am creative in working out how to solve any problems within our group.</p>	<p>I am committed to learning what I need to in Math. I persevere to solve the problem. I show self-discipline to stay focussed and work with others. I show responsibility to others and my Math.</p> <p>I feel confident in my Math ability and my skills. I take risks to try new strategies. I apply the Math I have learned as soon as I can. I make good choices and decisions in Math and in a group.</p> <p>I work cooperatively. I use my manners. I share materials. I take turns. I work out the Math steps with my partners. I work out a Math solution with my partners. I lead kindly. I follow well.</p> <p>I am creative in thinking about a Math solution. I am creative in working out how to solve the Math problem. I am creative in working out how to solve any problems within our group.</p>	<p>I am committed to learning what I need to in Math. I persevere to solve the problem. I show self-discipline to stay focussed and work with others. I show responsibility to others and my Math.</p> <p>I feel confident in my Math ability and my skills. I take risks to try new strategies. I apply the Math I have learned as soon as I can. I make good choices and decisions in Math and in a group.</p> <p>I work cooperatively. I use my manners. I share materials. I take turns. I work out the Math steps with my partners. I work out a Math solution with my partners. I lead kindly. I follow well.</p> <p>I am creative in thinking about a Math solution. I am creative in working out how to solve the Math problem. I am creative in working out how to solve any problems within our group.</p>