

PROBLEM SOLVING MATH ASSESSMENT RUBRIC

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<p>Check each sentence that is true for the Math task.</p>	<p>Beginning ★</p>	<p>Developing ★★</p>	<p>Achieving ★★★</p>	<p>Excelling ★★★★</p>
<p>Our Math</p>	<p>Our work shows that we need more help to understand this math concept</p>	<p>Our work shows some understanding of this math concept</p>	<p>Our work shows that we have a good understanding of this math concept</p>	<p>Our work shows that we have a thorough understanding of this math concept</p>
<p>Solution</p>	<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.
<p>Explanation</p>	<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.
<p>Record</p>	<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.
<p>My Skills</p>	<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>Social</p> <p>Group decision-making</p> <ul style="list-style-type: none"> I listen to others. <p>Self-Management</p> <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>Thinking</p> <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>Social</p> <p>Group decision-making</p> <ul style="list-style-type: none"> I listen to others and discuss ideas. <p>Self-Management</p> <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>Thinking</p> <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>Social</p> <p>Group decision-making</p> <ul style="list-style-type: none"> I listen to others, discuss ideas and ask questions. <p>Self-Management</p> <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>Thinking</p> <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>Social</p> <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. <p>Self-Management</p> <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.
<p>My Attitudes</p>	<p>Commitment 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>Confidence 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>Cooperation 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>Creativity 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>			