

**Notes: T2-30 Equations from Scenario**

Use the following cells to help compare a real world scenario to an expression. Given the scenario, set up the expression that represents the scenario.

Starting with a Scenario:

<p>SCENARIO:</p> <p>You are taking a history exam. Each correct answer is worth 5 points. How will you determine your score?</p>	<p>EXPRESSION:</p>
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<p>SCENARIO:</p> <p>Your friend has a cell phone that has a data plan through Sprint that costs \$5 each month plus \$0.30 for each mb they use. How will Sprint figure out how much to charge your friend?</p>	<p>EXPRESSION:</p> <p>How much will Sprint Charge your friend if they use 40 mg of data?</p>
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Starting with an expression: Given the expression, set up a scenario that represents the expression.

<p>SCENARIO:</p>	<p>EXPRESSION:</p> <p><math>25m + 10</math></p> <p>How much money will you have after 3 months?</p>
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<p>SCENARIO:</p>	<p>EXPRESSION:</p> <p><math>\frac{1}{2}t + 30</math></p> <p>How many miles will you have hiked after 16 more hours?</p>
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Scenario with an Equation and Table:

<p>7) SCENERIO: A car is traveling at 50 miles per hour. How can you determine how far you have traveled?</p>	<p>EQUATION:</p>	<p>TABLE:</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td style="width: 50%;">c</td> <td style="width: 50%;">s</td> </tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </table>	c	s								
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<p>How long will it take to travel 250 miles?</p>  <p>How many miles will you have traveled after 4 ½ hours.</p>												

<p>8) SCENERIO</p>	<p>EQUATION:</p> $m = 5y + 5000$	<p>TABLE:</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td style="width: 50%;">y</td> <td style="width: 50%;">m</td> </tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </table>	y	m								
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<p>How much money will you have after 12 yards?</p>  <p>How many yards to you have to mow to have \$6,000 in the bank?</p>												