

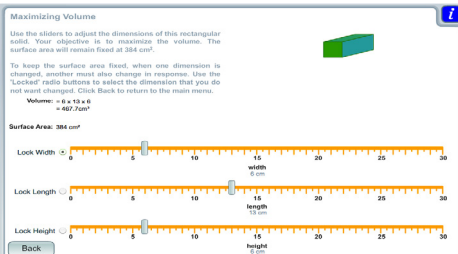
Grade 9 MPM1D

Ontario Educational Resources Bank (OERB) Activities

Essential Skills

Activity	Description																																																		
<p style="text-align: center;">R U Ready?</p> <p style="text-align: center; font-size: small;">Match each question with its answer by dragging the correct letter to the question.</p> <table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <tbody> <tr> <td style="width: 25%;">35,800 + 107,265</td> <td style="width: 10%;">F</td> <td style="width: 10%; text-align: center;">✓</td> <td style="width: 25%;">A</td> <td style="width: 20%;">0.67</td> </tr> <tr> <td>71,871 - 5,180</td> <td>C</td> <td style="text-align: center;">✓</td> <td>B</td> <td>169</td> </tr> <tr> <td>5.5 × 0.72</td> <td></td> <td></td> <td>C</td> <td>66.691</td> </tr> <tr> <td>-64 ÷ 0.8</td> <td></td> <td></td> <td>D</td> <td>5</td> </tr> <tr> <td>-4 × 39</td> <td></td> <td></td> <td>E</td> <td>12</td> </tr> <tr> <td>square root of 144</td> <td></td> <td></td> <td>F</td> <td>143.065</td> </tr> <tr> <td>15% of 75</td> <td></td> <td></td> <td>G</td> <td>3.96</td> </tr> <tr> <td>13³</td> <td></td> <td></td> <td>H</td> <td>-156</td> </tr> <tr> <td>(16 + 2) - 4² + 3</td> <td></td> <td></td> <td>I</td> <td>-80</td> </tr> <tr> <td>67% as a decimal</td> <td>A</td> <td style="text-align: center;">✓</td> <td>J</td> <td>11.25</td> </tr> </tbody> </table> <p style="text-align: center; font-weight: bold; margin-top: 20px;">Resource ID: ELO1079580</p>	35,800 + 107,265	F	✓	A	0.67	71,871 - 5,180	C	✓	B	169	5.5 × 0.72			C	66.691	-64 ÷ 0.8			D	5	-4 × 39			E	12	square root of 144			F	143.065	15% of 75			G	3.96	13 ³			H	-156	(16 + 2) - 4 ² + 3			I	-80	67% as a decimal	A	✓	J	11.25	<p>Practise mathematical skills to prepare for grade 9 by completing a set of matching and true-false questions.</p>
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Measurement and Geometry

Activity	Description
<p style="text-align: center;">Optimizing Volume Area</p>  <p style="text-align: center; font-weight: bold; margin-top: 20px;">Resource ID: ELO1099010</p>	<p>Build understanding of optimization by exploring the impact of adjusting the measurements of a rectangular prism using a slider, to minimize surface area given a fixed volume and to maximize volume given a fixed surface area.</p>