

Grade 6 Mathematics Sample Items Answer Key

Item #	Item Type	Calculator Available?	Point(s)	Standard	Rubric / Key	Scoring																				
1	Matching	No	1	6.NS.4	<table border="1"> <tr> <td></td> <td>$30 + 24$</td> <td>$30 + 27$</td> <td>$42 + 12$</td> <td>$42 + 36$</td> </tr> <tr> <td>$3(10 + 9)$</td> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>$6(5 + 4)$</td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>$6(7 + 6)$</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> </table>		$30 + 24$	$30 + 27$	$42 + 12$	$42 + 36$	$3(10 + 9)$	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	$6(5 + 4)$	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	$6(7 + 6)$	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	The correct response receives 1 point
	$30 + 24$	$30 + 27$	$42 + 12$	$42 + 36$																						
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2	Grid	No	1	6.NS.6c	<p>A number line from -3 to 3 with tick marks every 0.125. Four points are marked with arrows: -1.5, -0.75, 1.25, and $2\frac{6}{8}$.</p>	Six correct placements on the number line receives 1 point																				
3	Grid	Yes	1	6.RP.1	any answer with $\frac{\text{number of circular candies}}{\text{number of total candies}} = \frac{7}{12}$	A correct set of candies receives 1 point																				
4	Equation	Yes	1	6.EE.3	$27x + 45 + 9x$ or any equivalent expression without parentheses	A correct expression receives 1 point																				
5	Multiple Choice	Yes	1	6.SP.1	A	The correct response receives 1 point																				

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6	Grid	Yes	1	6.G.3	<p>Exemplar</p> <p>Other Correct Responses</p> <ul style="list-style-type: none"> Any quadrilateral with vertices at $(-4, 5)$ and $(2, -3)$ at least one side length of 5 units, and exactly one pair of parallel sides 	A correct quadrilateral receives 1 point
7	Equation	Yes	1	6.G.4	376	The correct response receives 1 point