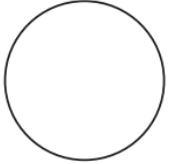


Maine Through Year Assessment Grade 7 Online Item Type Sampler Answer Key Mathematics

Sequence	Key	Points	Achievement Level Descriptor										
1.		1	CCSS.Math.Content.7.G.A.3.At										
2.	<table border="1" style="margin: auto;"> <tr> <td style="padding: 2px;"><i>x</i></td> <td style="padding: 2px;"><i>y</i></td> </tr> <tr> <td style="padding: 2px;">0</td> <td style="padding: 2px;">0</td> </tr> <tr> <td style="padding: 2px;">2</td> <td style="padding: 2px;">4</td> </tr> <tr> <td style="padding: 2px;">4</td> <td style="padding: 2px;">8</td> </tr> <tr> <td style="padding: 2px;">6</td> <td style="padding: 2px;">12</td> </tr> </table>	<i>x</i>	<i>y</i>	0	0	2	4	4	8	6	12	1	CCSS.Math.Content.7.RP.A.2a.Bel
<i>x</i>	<i>y</i>												
0	0												
2	4												
4	8												
6	12												
3.	Part A: -90 or equivalent Part B: decreased 7	2	CCSS.Math.Content.7.NS.A.3.At										
	Part A or Part B	1											
4.	8 greater than	1	CCSS.Math.Content.7.SP.B.Bel										
5.	-15 or equivalent	1	CCSS.Math.Content.7.NS.A.1b.WB										

6.	<p>Two number cubes with sides labeled 1 through 6 are rolled. The results add up to 1.</p> <p>A deck contains 30 numbered cards. There are three cards of each number from 1 through 10. Four cards numbered 4 are drawn without replacement.</p>	1	CCSS.Math.Content.7.SP.C.5.WB
7.	2.01 or equivalent	1	CCSS.Math.Content.7.G.B.4.Bel
8.	$\frac{2}{3} \times 3 \times \frac{7}{10} = \frac{\boxed{7}}{\boxed{5}} = \frac{\boxed{21}}{\boxed{15}} \quad \text{or} \quad \frac{2}{3} \times 3 \times \frac{7}{10} = \frac{\boxed{21}}{\boxed{15}} = \frac{\boxed{7}}{\boxed{5}}$	1	CCSS.Math.Content.7.NS.A.2c.Bel
9.	The person subtracted the discount amount from the percent discount instead of the original price.	1	CCSS.Math.Content.7.RP.A.3.At
10.	$28ab - 12a$ $4a(-3 + 7b)$	1	CCSS.Math.Content.7.EE.A.1.At
11.	30 red and 20 euro	1	CCSS.Math.Content.7.SP.A.WB
12.	$\frac{1}{18} \text{ hour per package} \quad \frac{1}{18} \text{ hour per packages} \quad \frac{1}{18} \text{ hours per package}$ $\frac{1}{18} \text{ hours per packages} \quad 18 \text{ package per hours} \quad 18 \text{ package per hour}$ $18 \text{ packages per hour} \quad 18 \text{ packages per hours}$	1	CCSS.Math.Content.7.RP.A.1.Bel

13.	Part A: $2x - 6 = 34.50$ Part B: 20.25 or equivalent	2	Part A: CCSS.Math.Content.7.EE.B.4a.At Part B: CCSS.Math.Content.7.EE.B.4a.Bel
	Part A or Part B or Correct answer in Part B based on an incorrect answer in Part A	1	
14.	0.95	1	CCSS.Math.Content.7.SP.C.8.Ab
15.	7 inches	1	CCSS.Math.Content.7.G.A.1.At