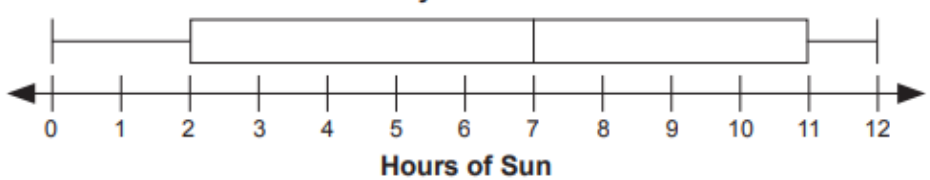

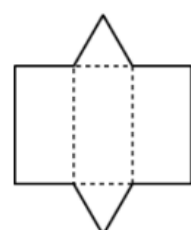
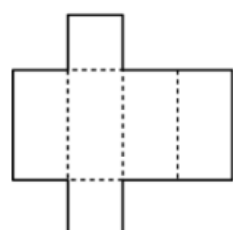



# Maine Through Year Assessment Grade 6

## Online Item Type Sampler Answer Key

### Mathematics

Sequence	Key	Points	Achievement Level Descriptor
1.	25 or equivalent	1	CCSS.Math.Content.6.RP.A.3b.WB
2.	$5x - x$ and $8x - 4x$ $6x + 4$ and $4x + 1 + 2x + 3$	1	CCSS.Math.Content.6.EE.A.3.WB
3.	<p style="text-align: center;"><b>Daily Sunshine</b></p>  <p style="text-align: center;">Hours of Sun</p>	1	CCSS.Math.Content.6.SP.B.4.At
4.	$>$ $>$ $<$	1	CCSS.Math.Content.6.NS.C.7.Bel
5.	<div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;"> <p>Net 1</p>  <p>Triangular Pyramid</p> <hr style="width: 50%; margin: 0 auto;"/> <p>Net 1</p> </div> <div style="text-align: center;"> <p>Net 2</p>  <p>Triangular Prism</p> <hr style="width: 50%; margin: 0 auto;"/> <p>Net 2</p> </div> <div style="text-align: center;"> <p>Net 3</p>  <p>Rectangular Prism</p> <hr style="width: 50%; margin: 0 auto;"/> <p>Net 3</p> </div> </div>	1	CCSS.Math.Content.6.G.A.4.WB

6.	$\frac{x}{25} = 140$	1	CCSS.Math.Content.6.EE.B.7.Ab						
7.	point K point N	1	CCSS.Math.Content.6.NS.C.8.At						
8.	(1, -1)	1	CCSS.Math.Content.6.G.A.3.At						
9.	<table border="1"> <thead> <tr> <th>Solution</th> <th>Equations</th> </tr> </thead> <tbody> <tr> <td><math>x = 4</math></td> <td><math>9 = x + 5</math> <math>8x = 32</math></td> </tr> <tr> <td><math>x = 6</math></td> <td><math>10 - x = 4</math> <math>1.5x = 9</math></td> </tr> </tbody> </table>	Solution	Equations	$x = 4$	$9 = x + 5$ $8x = 32$	$x = 6$	$10 - x = 4$ $1.5x = 9$	1	CCSS.Math.Content.6.EE.B.5.Bel
Solution	Equations								
$x = 4$	$9 = x + 5$ $8x = 32$								
$x = 6$	$10 - x = 4$ $1.5x = 9$								
10.	<p>Part A: No, because the recipe uses 3 cups of lemon juice for every 2 cups of sugar, so there are <math>\frac{3}{2}</math> cups of lemon juice per cup of sugar.</p> <p>Part B: sugar divided water</p>	2	CCSS.Math.Content.6.RP.A.2.Ab						
	Part A or Part B	1							
11.	1.75 feet	1	CCSS.Math.Content.6.G.A.2.At						

<p><b>12.</b></p>		<p><b>1</b></p>	<p>CCSS.Math.Content.6.NS.A.1.At</p>
<p><b>13.</b></p>	<p>two 7 - 9</p>	<p><b>1</b></p>	<p>CCSS.Math.Content.6.SP.B.5.Bel</p>
<p><b>14.</b></p>	<p><b>13</b> or equivalent</p>	<p><b>1</b></p>	<p>CCSS.Math.Content.6.SP.A.3.Ab</p>
<p><b>15.</b></p>	<p>Create <u>5</u> circles. Divide each circle into <u>9</u> equal sections. Put the sections into groups of <u>4</u>. The number of complete groups is the whole number part of the solution. The number of remaining sections is placed over <u>4</u> to find the fractional part of the solution.</p>	<p><b>1</b></p>	<p>CCSS.Math.Content.6.NS.A.1.Ab</p>