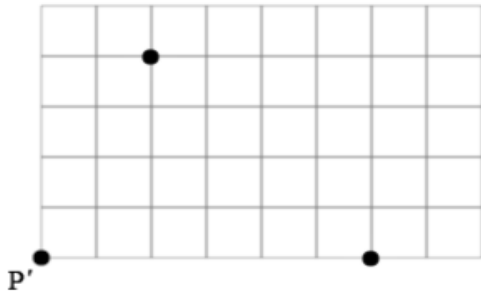
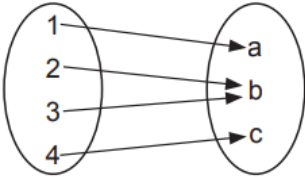
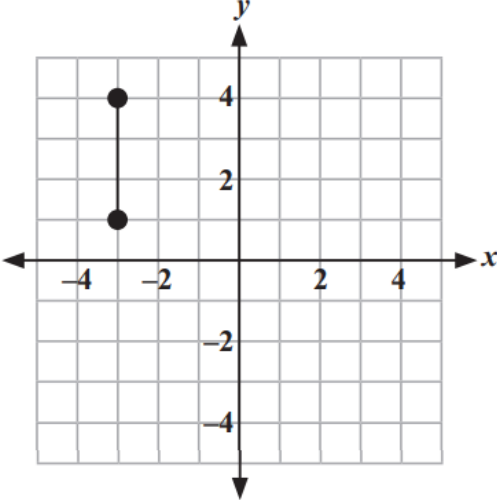


Maine Through Year Assessment Grade 8 Online Item Type Sampler Answer Key Mathematics

Sequence	Key	Points	Achievement Level Descriptor						
1.	from $x = -4$ to $x = 0$	1	CCSS.Math.Content.8.F.B.5.WB						
2.	748,000 or equivalent	1	CCSS.Math.Content.8.EE.A.4.WB						
3.	<table style="margin: auto; border-collapse: collapse;"> <tr> <td style="border: 1px solid black; padding: 5px; text-align: center;">-5</td> <td style="padding: 0 10px;"></td> <td style="border: 1px solid black; padding: 5px; text-align: center;">5</td> </tr> <tr> <td style="border-top: 1px solid black; border-bottom: 1px solid black; padding: 5px; text-align: center;">4</td> <td style="padding: 0 10px; text-align: center;">or</td> <td style="border-top: 1px solid black; border-bottom: 1px solid black; padding: 5px; text-align: center;">-4</td> </tr> </table>	-5		5	4	or	-4	1	CCSS.Math.Content.8.EE.B.6.WB
-5		5							
4	or	-4							
4.		1	CCSS.Math.Content.8.G.A.4.Bel						
5.	$\frac{5}{11}$	1	CCSS.Math.Content.8.NS.A.1.At						

6.	<div style="text-align: center;">  </div> <div style="text-align: center; margin-top: 10px;"> <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="padding: 2px 5px;">x</td> <td style="padding: 2px 5px;">-2</td> <td style="padding: 2px 5px;">-1</td> <td style="padding: 2px 5px;">0</td> <td style="padding: 2px 5px;">1</td> <td style="padding: 2px 5px;">2</td> </tr> <tr> <td style="padding: 2px 5px;">y</td> <td style="padding: 2px 5px;">5</td> <td style="padding: 2px 5px;">4</td> <td style="padding: 2px 5px;">0</td> <td style="padding: 2px 5px;">4</td> <td style="padding: 2px 5px;">5</td> </tr> </table> </div> <p style="text-align: center; margin-top: 10px;">Part A:</p> <p style="text-align: center; margin-top: 10px;">Part B: The set of ordered pairs does not represent a function because the x-value of 0 is assigned to two different y-values.</p>	x	-2	-1	0	1	2	y	5	4	0	4	5	2	CCSS.Math.Content.8.F.A.1.Ab
x	-2	-1	0	1	2										
y	5	4	0	4	5										
	Part A or Part B	1													
7.	<p>Each week the value of the account has increased by \$17.20. At the beginning of the year, there was \$27.50 in the account.</p>	1	CCSS.Math.Content.8.F.B.4.Ab												
8.	<div style="display: flex; align-items: center; justify-content: center; gap: 10px;"> <div style="border: 1px solid black; border-radius: 50%; padding: 5px 10px;">A</div> <div style="font-size: 24px;">></div> <div style="border: 1px solid black; border-radius: 50%; padding: 5px 10px;">C</div> <div style="font-size: 24px;">></div> <div style="border: 1px solid black; border-radius: 50%; padding: 5px 10px;">B</div> </div>	1	CCSS.Math.Content.8.G.C.9.Bel												
9.	<p>the Sun 400 the Moon</p>	1	CCSS.Math.Content.8.EE.A.3.Ab												
10.	<p>A E</p>	1	CCSS.Math.Content.8.SP.A.2.Bel												
11.	2 and 3	1	CCSS.Math.Content.8.NS.A.2.Bel												

12.	<p style="text-align: center;">Music Club Members</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th></th> <th>Band</th> <th>Chorus</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>Seventh Graders</td> <td>0.25</td> <td>0.30</td> <td>0.55</td> </tr> <tr> <td>Eighth Graders</td> <td>0.275</td> <td>0.175</td> <td>0.45</td> </tr> <tr> <td>Total</td> <td>0.525</td> <td>0.475</td> <td>1.00</td> </tr> </tbody> </table>		Band	Chorus	Total	Seventh Graders	0.25	0.30	0.55	Eighth Graders	0.275	0.175	0.45	Total	0.525	0.475	1.00	1	CCSS.Math.Content.8.SP.A.4.At
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13.	<p style="text-align: center;">Part A: 0.3 or equivalent Part B: Apple L uses more apples to produce 1 cup of juice than Apple K. Apple L uses twice as many apples as Apple K to produce 5 cups of juice.</p>	2	Part A: CCSS.Math.Content.8.EE.B.5.At Part B: CCSS.Math.Content.8.EE.B.5.WB																
	Part A or Part B	1																	
14.		1	CCSS.Math.Content.8.G.A.1a.At																
15.	7 cm	1	CCSS.Math.Content.8.G.B.7.Ab																