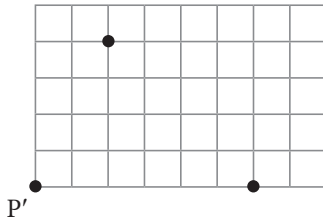
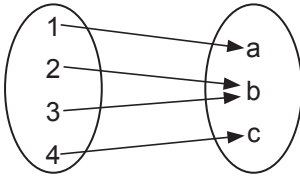
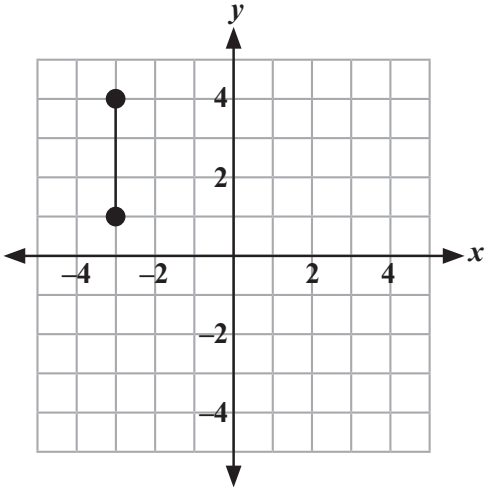


# Maine Through Year Assessment Grade 8

## Online Item Type Sampler Answer Key

### Mathematics

Sequence	Key	Points												
1.	from $x = -4$ to $x = 0$	1												
2.	<b>748,000</b> or equivalent	1												
3.	<div style="display: flex; justify-content: center; align-items: center;"><div style="border: 1px solid black; padding: 2px; margin: 2px;">-5</div><div style="border: 1px solid black; padding: 2px; margin: 2px;">5</div><div style="border: 1px solid black; padding: 2px; margin: 2px;">4</div><div style="margin: 0 5px;">or</div><div style="border: 1px solid black; padding: 2px; margin: 2px;">-4</div></div>	1												
4.	<div style="text-align: center;"></div>	1												
5.	$\frac{5}{11}$	1												
6.	<div style="text-align: center;"><p>Part A:</p><table border="1" style="margin: 10px auto;"><tr><td><math>x</math></td><td>-2</td><td>-1</td><td>0</td><td>1</td><td>2</td></tr><tr><td><math>y</math></td><td>5</td><td>4</td><td>0</td><td>4</td><td>5</td></tr></table><p>Part B: The set of ordered pairs does not represent a function because the <math>x</math>-value of 0 is assigned to two different <math>y</math>-values.</p></div>	$x$	-2	-1	0	1	2	$y$	5	4	0	4	5	2
$x$	-2	-1	0	1	2									
$y$	5	4	0	4	5									
	Part A or Part B	1												
7.	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.	1												
8.	<div style="display: flex; align-items: center; justify-content: center;"><div style="border: 1px solid black; padding: 2px 10px;">A</div><div style="margin: 0 5px;">&gt;</div><div style="border: 1px solid black; padding: 2px 10px;">C</div><div style="margin: 0 5px;">&gt;</div><div style="border: 1px solid black; padding: 2px 10px;">B</div></div>	1												
9.	the Sun 400 the Moon	1												
10.	A E	1												
11.	2 and 3	1												

Sequence	Key	Points																				
12.	<table><tr><th colspan="4">Music Club Members</th></tr><tr><th></th><th>Band</th><th>Chorus</th><th>Total</th></tr><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></table>	Music Club Members					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
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Total	0.525	0.475	1.00																			
13.	Part A: <b>0.3</b> 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.	2																				
	Part A or Part B	1																				
14.		1																				
15.	7 cm	1																				