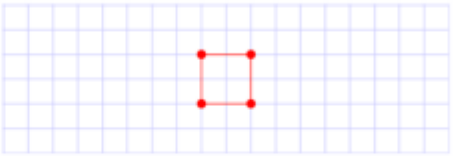
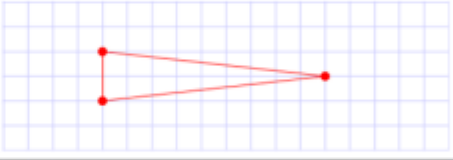
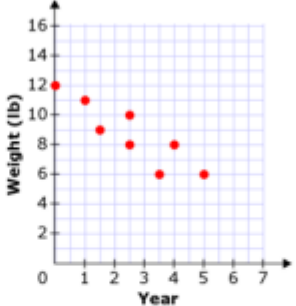
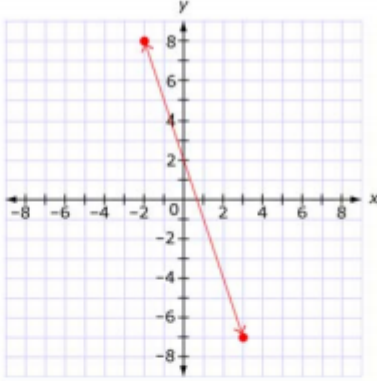
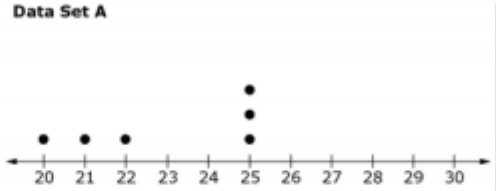
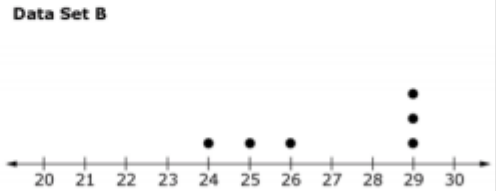
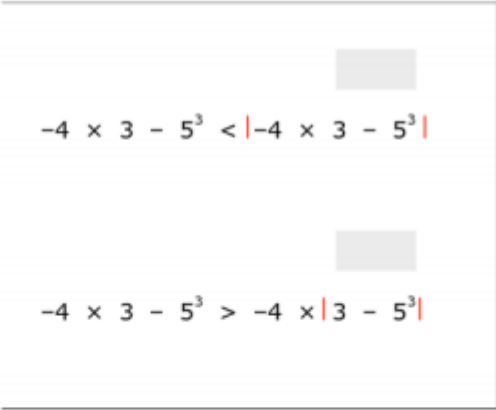


Grades 7-8 Math

Question #	Item Type	Answer Key/Correct Answer												
1	Grid Item	<p>A. One possible base of the pyramid</p>  <p>B. The corresponding face of the pyramid</p>  <p>Any square in Part A with a side length of 2 with any isosceles triangle in Part B with a base of 2 and a height of 9 or any square in Part A with a side length of 4 inches with any isosceles triangle in Part B with a base of 4 and a height of 3 is also accepted..</p>												
2	Multiple-Choice	B												
3	Multiple-Choice	B												
4	Grid Item	<table border="1" data-bbox="732 978 1211 1251"> <thead> <tr> <th colspan="2">Rational Numbers</th> <th colspan="2">Irrational Numbers</th> </tr> </thead> <tbody> <tr> <td>$\sqrt[3]{8}$</td> <td>$0.\bar{6}$</td> <td>$\sqrt{3}$</td> <td>$\sqrt[3]{9}$</td> </tr> <tr> <td>7.3</td> <td>$\sqrt{9}$</td> <td>π</td> <td></td> </tr> </tbody> </table>	Rational Numbers		Irrational Numbers		$\sqrt[3]{8}$	$0.\bar{6}$	$\sqrt{3}$	$\sqrt[3]{9}$	7.3	$\sqrt{9}$	π	
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5	Equation	<p>$\frac{1}{9}$</p> <p>Any positive fraction equivalent to $\frac{1}{9}, \frac{1}{7},$ or $\frac{1}{6},$ or any negative fraction that meets all three parameters and where the denominator is not exclusively a multiple of 2 and/or 5 is accepted.</p>												

Question #	Item Type	Answer Key/Correct Answer
6	Grid Item	<p data-bbox="760 176 1081 201">Effect on Fish Weight Over Time</p>  <p data-bbox="764 216 1057 520">A scatter plot with 'Year' on the x-axis (0 to 7) and 'Weight (lb)' on the y-axis (0 to 16). Eight red data points are plotted, showing a general downward trend from approximately (0, 12) to (5, 6).</p> <p data-bbox="667 579 1360 646"><i>Any scatter plot that contains 8 data points and has a negative association is accepted.</i></p>
7	Multi-Select	A; B; C
8	Equation	<p data-bbox="667 751 721 821">$\frac{1}{250}$</p> <p data-bbox="667 842 1414 884"><i>Any expression with a value equivalent to $\frac{1}{250}$ is accepted.</i></p>
9	Grid Item	 <p data-bbox="727 940 1101 1318">A coordinate plane with x and y axes ranging from -8 to 8. A red line passes through the y-axis at (0, 2) and through the points (-2, 8) and (2, -8).</p> <p data-bbox="667 1346 1333 1413"><i>Any line with a slope of -3 and a y-intercept of 2 is accepted.</i></p>
10	Equation	<p data-bbox="667 1451 721 1476">200</p> <p data-bbox="667 1503 1430 1535"><i>Any expression with a value equivalent to 200 is accepted.</i></p>
11	Multi-Select	A; D; E
12	Natural Language	<p data-bbox="667 1642 1409 1738">The variable b is odd. Since a is negative, b must be odd otherwise a raised to an even power would mean c is positive.</p> <p data-bbox="667 1766 1430 1862"><i>The student states that b is an odd number or that b is not divisible by 2 with an explanation that states that a and c cannot both be negative unless b is odd.</i></p> <p data-bbox="667 1881 1312 1913"><i>The student did not make an incorrect statement.</i></p>

Question #	Item Type	Answer Key/Correct Answer
13	Grid Item	<p>Data Set A</p>  <p>Data Set B</p>  <p>Any data set with 6 data points, a mean absolute deviation of 2, and a mean of 27 is accepted.</p>
14	Grid Item	 <p>First inequality: Any of the following expressions are accepted.</p> <ul style="list-style-type: none"> $-4 \times 3 - 5^3 < -4 \times 3 - 5^3$ $-4 \times 3 - 5^3 < -4 \times 3 - 5^3$ $-4 \times 3 - 5^3 < -4 \times 3 - 5^3$
15	Equation	$a = 20d + 43$ Any equation equivalent to $a = 20d + 43$ is accepted.
16	Equation	4; 2 Any pair of values equivalent to 2 and 4, in any order is accepted.
17	Equation	3; 2 <i>x</i> -value: Any expression with a value of 3 is accepted. <i>y</i> -value: Any expression with a value of 2 is accepted.

Question #	Item Type	Answer Key/Correct Answer																				
18	Table	<table border="1"> <thead> <tr> <th></th> <th>Own a Bike</th> <th>Do Not Own a Bike</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>Boys</td> <td>12</td> <td><input type="text" value="13"/></td> <td>25</td> </tr> <tr> <td>Girls</td> <td><input type="text" value="19"/></td> <td><input type="text" value="6"/></td> <td>25</td> </tr> <tr> <td>Total</td> <td><input type="text" value="31"/></td> <td><input type="text" value="19"/></td> <td>50</td> </tr> </tbody> </table> <p>Any table that shows more girls own bikes than boys with correct row and column totals is accepted.</p>		Own a Bike	Do Not Own a Bike	Total	Boys	12	<input type="text" value="13"/>	25	Girls	<input type="text" value="19"/>	<input type="text" value="6"/>	25	Total	<input type="text" value="31"/>	<input type="text" value="19"/>	50				
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