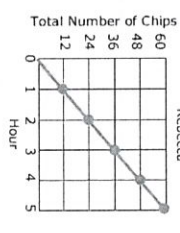
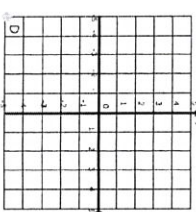
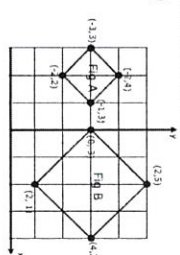


Brain Freeze Activities for Grade 8 - Math

Two different activities are to be completed for each Brain Freeze day.
Send documentation of activity completion to your child's teacher.

<p>Change 0.12 to a fraction Change 0.54 to a fraction Change 0.32 to a fraction</p> <p>Rational or Irrational 4.688 0.8569343.... 5426 0 3 5</p>	<p>1. Simplify $6^2 \times 6^{-4}$</p> <p>2. Simplify $7^4 \times 7^{-6}$</p> <p>3. Simplify $8^2 \times 8^{-3}$</p> <p>4. Simplify $\frac{5^{-2}}{4^6}$</p>	<p>Q.1 Find the two values for $\sqrt{81}$</p> <p>Q.2 Find the two values for $\sqrt{16}$</p> <p>Q.3 Solve for $x^2 = 100$</p> <p>Q.4 Solve for $p^2 = 144$</p>	<p>1. The graph below represents how many chips Rebecca eats in an hour. The equation represents the rate that Lella eats chips at. Find out who eats more chips in 3 hours.</p>  <p>Rebecca Lella</p> <p>$y = 15x$ $x =$ No. of hours $y =$ Number of Chips</p>																																																					
<p>2. Complete the table:</p> <table border="1" data-bbox="893 105 958 525"> <tr> <td>$f(x) = 2x+5$</td> <td>x</td> <td>-2</td> <td>-1</td> <td>1</td> <td>2</td> </tr> <tr> <td>$f(x)$</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table> <p>5. Complete the table.</p> <table border="1" data-bbox="763 105 812 525"> <tr> <td>$f(x) = x+3$</td> <td>x</td> <td>-3</td> <td>-1</td> <td>1</td> <td>3</td> </tr> <tr> <td>$f(x)$</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	$f(x) = 2x+5$	x	-2	-1	1	2	$f(x)$						$f(x) = x+3$	x	-3	-1	1	3	$f(x)$						<p>1. $y = x - 7$</p> <table border="1" data-bbox="828 609 909 777"> <tr><td>x</td><td>y</td></tr><tr><td>2</td><td></td></tr><tr><td>5</td><td></td></tr><tr><td>-1</td><td></td></tr><tr><td>7</td><td></td></tr><tr><td>3</td><td></td></tr></table> <p>2. $y = x - 3$</p> <table border="1" data-bbox="755 871 909 1039"> <tr><td>x</td><td>y</td></tr><tr><td>8</td><td></td></tr><tr><td>2</td><td></td></tr><tr><td>-2</td><td></td></tr><tr><td>9</td><td></td></tr><tr><td>1</td><td></td></tr></table>	x	y	2		5		-1		7		3		x	y	8		2		-2		9		1		<p>A line has a slope of 3 and passes through the point (3,6). What is the equation of the line?</p> <p>Write an equation for the line that has a slope of -7 and passes through the point (2, -5)</p>	<p>1) Graph the image of D (-5, -5) after a reflection over the x-axis.</p> 					
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<p>Describe the sequence of transformations that results in the transformation of Figure A to Figure B.</p> 	<p>1. Following is 10 days of data which shows the sale of apples and mangoes. Describe the association between the apple and mango sales.</p> <table border="1" data-bbox="446 609 527 1050"> <thead> <tr> <th>Days</th> <th>1</th> <th>2</th> <th>3</th> <th>4</th> <th>5</th> <th>6</th> <th>7</th> <th>8</th> <th>9</th> <th>10</th> </tr> </thead> <tbody> <tr> <td>Apple</td> <td>62</td> <td>49</td> <td>81</td> <td>26</td> <td>45</td> <td>55</td> <td>16</td> <td>74</td> <td>97</td> <td>34</td> </tr> <tr> <td>Mango</td> <td>36</td> <td>44</td> <td>49</td> <td>37</td> <td>26</td> <td>11</td> <td>76</td> <td>83</td> <td>64</td> <td>81</td> </tr> </tbody> </table>	Days	1	2	3	4	5	6	7	8	9	10	Apple	62	49	81	26	45	55	16	74	97	34	Mango	36	44	49	37	26	11	76	83	64	81	<p>3. Find the approximation of $\sqrt{102}$</p> <p>4. Find the approximation of $\sqrt{20}$</p> <p>5. Find the approximation of $\sqrt{9}$</p>	<p>3) We got data from a sugar factory. You have to make a scatter plot of hours and wages.</p> <table border="1" data-bbox="438 1428 527 2037"> <thead> <tr> <th>Hour</th> <th>8</th> <th>6</th> <th>10</th> <th>9</th> <th>4</th> <th>12</th> <th>14</th> <th>5</th> <th>2</th> </tr> </thead> <tbody> <tr> <td>Wages (in \$)</td> <td>300</td> <td>200</td> <td>500</td> <td>400</td> <td>100</td> <td>700</td> <td>1000</td> <td>150</td> <td>50</td> </tr> </tbody> </table>	Hour	8	6	10	9	4	12	14	5	2	Wages (in \$)	300	200	500	400	100	700	1000	150	50
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