

Name: \_\_\_\_\_

“The harder you work, the better you get.”

### Mrs. Baldwin’s Grade 8 Throw Back –Summer Review

$44 \div 2 =$	$96 \div 2 =$	$55 \div 2 =$	$73 \div 2 =$	$88 \div 4 =$	$22 \div 4 =$	$19 \div 4 =$	$12 \div 8 =$	$86 \div 8 =$	$102 \div 8 =$
$32 \times 2 =$	$61 \times 2 =$	$42 \times 4 =$	$55 \times 4 =$	$14 \times 8 =$	$24 \times 8 =$	$63 \times 10 =$	$2.62 \times 100 =$	$24 \times 5 =$	$64 \times 5 =$
$720 \div 10 =$	$7.62 \div 100 =$	$54 \div 100 =$	$50 \% \text{ of } 62 =$	$50 \% \text{ of } 91 =$	$10 \% \text{ of } 86 =$	$5 \% \text{ of } 40 =$	$25 \% \text{ of } 40 =$	$75 \% \text{ of } 60 =$	$1 \% \text{ of } 22 =$
$50 \times 0.5 =$	$16 \times 0.1 =$	$12 \times 0.25 =$	$60 \times 0.2 =$	$80 \times 0.3 =$	$40 \times 0.25 =$	$52 \div 0.1 =$	$60 \div 0.5 =$	$40 \div 0.25 =$	$12 \div 0.2 =$
$\frac{1}{2} = \frac{\quad}{\quad} \%$	$\frac{1}{4} = \frac{\quad}{\quad} \%$	$\frac{3}{4} = \frac{\quad}{\quad} \%$	$\frac{7}{10} = \frac{\quad}{\quad} \%$	$\frac{3}{10} = \frac{\quad}{\quad} \%$	$\frac{4}{5} = \frac{\quad}{\quad} \%$	$\frac{2}{5} = \frac{\quad}{\quad} \%$	$\frac{12}{25} = \frac{\quad}{\quad} \%$	$\frac{2}{3} = \frac{\quad}{\quad} \%$	$\frac{17}{20} = \frac{\quad}{\quad} \%$
0.24 as a percent	0.73 as a percent	0.083 as a percent	0.45 as a fraction in lowest terms	0.22 as a fraction in lowest terms	$\frac{2}{10}$ as a decimal	$\frac{3}{5}$ as a decimal	72 % as a decimal	35.5 % as a decimal	82 % as a fraction in lowest terms

Name: \_\_\_\_\_

"The harder you work, the better you get."

$\frac{6}{10}$ in lowest terms	$\frac{18}{24}$ in lowest terms	$\frac{8}{12}$ in lowest terms	$\frac{13}{26}$ in lowest terms	$\frac{13}{9}$ as a mixed #	$\frac{12}{7}$ as a mixed #	$\frac{49}{6}$ as a mixed #	$\frac{3}{3}$ as an Improper Fraction	$5\frac{1}{2}$ as an Improper Fraction	$6\frac{2}{5}$ as an Improper Fraction
$6x = 42$	$7x = 56$	$9x = 63$	$x + 32 = 56$	$x - 18 = 45$	$x + 28 = 46$	$x - 25 = 36$	$\frac{x}{5} = 20$	$\frac{x}{8} = 6$	$\frac{x}{7} = 9$
$-12 + 6 =$	$25 + -18 =$	$-6 - 18 =$	$42 - - 6 =$	$-14 - - 9 =$	$-13 (2) =$	$-8 \times -8 =$	$\frac{-24}{6} =$	$\frac{-18}{-6} =$	$\frac{108}{-9} =$
$-2x = 12$	$6x = -72$	$x - 16 = -12$	$x + 18 = -20$	$x - 22 = -40$	$x + 42 = -16$	$\frac{x}{7} = -7$	$\frac{x}{5} = -12$	$2x + 4 = -20$	$3x - 15 = -30$
$\frac{1}{5} + \frac{3}{5} =$	$\frac{5}{8} - \frac{3}{8} =$	$\frac{6}{10} + \frac{1}{5} =$	$\frac{3}{4} - \frac{1}{8} =$	$\frac{1}{6} \times \frac{2}{5} =$	$\frac{2}{3} \times \frac{1}{4} =$	$2\frac{1}{3} \times 4\frac{2}{5} =$	$\frac{5}{6} \div \frac{1}{3} =$	$\frac{2}{3} \div \frac{1}{2} =$	$3\frac{1}{5} \div 1\frac{2}{3} =$

Name: \_\_\_\_\_

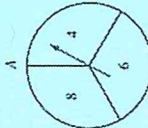
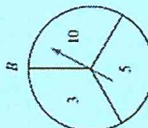
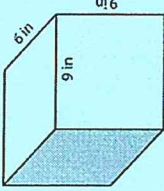
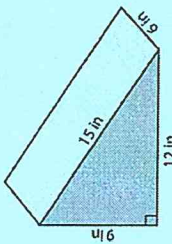
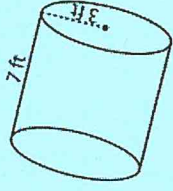
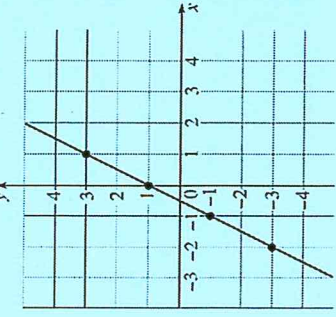
"The harder you work, the better you get."

3 (x - 4) Expand	-5 (x + 6) Expand	-9 (x - 7) Expand	8 (-x + 6) Expand	<table border="1"> <tr><td>x</td><td>y</td></tr> <tr><td>1</td><td>3</td></tr> <tr><td>2</td><td>5</td></tr> <tr><td>3</td><td>7</td></tr> <tr><td>4</td><td>9</td></tr> </table> <p>What's the equation?</p>	x	y	1	3	2	5	3	7	4	9	<table border="1"> <tr><td>x</td><td>y</td></tr> <tr><td>1</td><td>3</td></tr> <tr><td>2</td><td>7</td></tr> <tr><td>3</td><td>11</td></tr> <tr><td>4</td><td>15</td></tr> </table> <p>What's the equation?</p>	x	y	1	3	2	7	3	11	4	15	$\sqrt{121} =$	$\sqrt{64} =$	$\sqrt{144} =$	$\sqrt{81} =$
x	y																												
1	3																												
2	5																												
3	7																												
4	9																												
x	y																												
1	3																												
2	7																												
3	11																												
4	15																												
$7^2 =$	$6^2 =$	$9^2 =$	Estimate $\sqrt{45}$	$a^2 + b^2 = c^2$ $3^2 + 4^2 = c^2$ $9 + 16 = c^2$ $25 = c^2$ $C = \sqrt{25} = 5$ EXAMPLE - nothing to do!	$a^2 + b^2 = c^2$ $a^2 + 12^2 = 15^2$ $a^2 + 144 = 225$ $a^2 = 225 - 144$ $a^2 = 81$ $a = \sqrt{81} = 9$ EXAMPLE - nothing to do!		$a = 6$ m $b = 8$ m $c = ?$	$a = 9$ m $b = ?$ $c = 15$ m																					
$12^2 =$	$8^2 =$	$12^2 =$	Estimate $\sqrt{66}$																										
433% as a decimal	$\frac{60}{200}$ as a %	5.46 as a %	250% of 30	0.1% of 200	$\frac{1}{2}$ % of 60	$28\frac{1}{2}$ % as a decimal	GST on a \$40 item	Tax on a \$60 item in (13% tax)	Total price of a \$80 item (13% tax)																				



Name: \_\_\_\_\_

"The harder you work, the better you get."

<p>Mix 3 litres of water with 4 lemons to make lemonade. How many litres of water are mixed with 8 lemons? Set up a proportion to solve.</p> $\frac{1}{2} + \frac{2}{3} \times \frac{1}{2} - \frac{1}{4} =$	<p>3 gallons of paint cover 900 square feet. How many gallons will cover 300 square feet? Set up a proportion to solve.</p> $1\frac{1}{2} \div \frac{3}{4} - \frac{1}{8} + \frac{1}{2}$	<p>There are 12 cats, 4 dogs, and 2 hamsters. What is the ratio of dogs to total animals in lowest terms?</p> $-12 \div -3 - (-4) \times (3) =$	<p>Logan prepared 6 kilograms of dough after working 3 hours. How much dough did he prepare in 1 hour? Solve using unit rates.</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p>A</p> </div> <div style="text-align: center;">  <p>B</p> </div> </div> <p>P(4, odd) =</p>	<p>Vince's office recycled a total of 18 kilograms of paper over 3 weeks. How much paper was recycled in 1 week? Solve using unit rates.</p>
<div style="text-align: center;">  </div> <p>Calculate the surface area and volume of this rectangular prism.</p>	<div style="text-align: center;">  </div> <p>Calculate the surface area and volume of this rectangular prism.</p>	<div style="text-align: center;">  </div> <p>Calculate the surface area and volume of this cylinder.</p>	<div style="text-align: center;">  </div> <p>Write an equation that represents this graph:</p>	