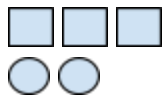
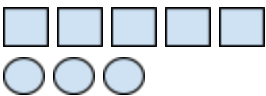
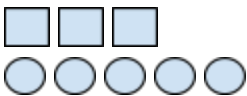


Name _____

Rising 8th Grade Summer Math

Directions: Complete the following math problems by Friday, August 25. Please complete work on scratch paper.

Example: Ratios Write a ratio for squares to circles.  3 to 2; 3:2; $\frac{3}{2}$	Write a ratio for squares to circles. 	Write a ratio for squares to circles. 	Write a ratio for squares to circles. 
Example: Multiplication of numbers with decimals. $\begin{array}{r} 4.23 \\ \times 5.1 \\ \hline 423 \\ + 21150 \\ \hline 21.573 \end{array}$	$\begin{array}{r} 12.3 \\ \times 73 \\ \hline \end{array}$	$\begin{array}{r} 2.73 \\ \times 1.5 \\ \hline \end{array}$	$\begin{array}{r} 2.89 \\ \times 15 \\ \hline \end{array}$
Example: Distributive property $4(3 + c) = 12 + 4c$	$5(t + 4)$	$2(x + 3)$	$12(5 + y)$
Example: Integer Rules $-5 + 2 = -3$ $-3 - 5 = -8$ $4 - 10 = -6$	$-7 + 4 =$ $-3 - 7 =$ $5 - 12 =$	Example: Put integers in order from least to greatest. 6, -2, 4, -5, 8 -5, -2, 4, 6, 8	Put these integers in order from least to greatest. 5, -3, 7, -4, -3
Example: Write and evaluate a variable expression. The sum of 2 and 10 $2 + 10 = 12$	The product of 8 and 4	The difference of 12 and 3	The quotient of 20 and 2
Example: What is the greatest common factor (GCF) of 5 and 20? 5	What is the greatest common factor (GCF) of 8 and 12?	Example: What is the least common multiple (LCM) of 6 and 8? 24	What is the least common multiple (LCM) of 10 and 15?
Example: List three equivalent fractions. $\frac{4}{5} = \frac{8}{10}, \frac{12}{15}, \frac{16}{20}$	List three equivalent fractions. $\frac{1}{7} =$	List three equivalent fractions. $\frac{2}{5} =$	List three equivalent fractions. $\frac{1}{3} =$
Example: Round to the value of the underlined digit. $3\text{4}\text{7},456 = \underline{\hspace{1cm}}35,000\underline{\hspace{1cm}}$ $923,7\text{1}8 = \underline{\hspace{1cm}}923,720\underline{\hspace{1cm}}$	Round to the value of the underlined digit. $3\text{4}\text{2},456 = \underline{\hspace{1cm}}$ $923,7\text{2}8 = \underline{\hspace{1cm}}$	Example: Round to the value of the underlined digit. $36.\text{4}5 = \underline{\hspace{1cm}}36.5\underline{\hspace{1cm}}$ $67.\text{0}6 = \underline{\hspace{1cm}}67\underline{\hspace{1cm}}$	Round to the value of the underlined digit. $365.\text{1}45 = \underline{\hspace{1cm}}$ $627.\text{0}56 = \underline{\hspace{1cm}}$