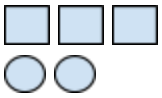
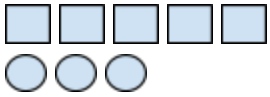
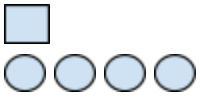
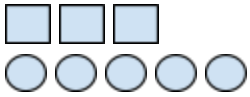
Name _____ **Rising 8th Grade Summer Math**

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. 4.23 x 5.1 423 + 21150 21.573	12.3 x 73	2.73 x 1.5	2.89 x 15
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<u>4</u>7,456= __35,000_____ 923,7<u>1</u>8= ___923,720____	Round to the value of the underlined digit. 3<u>4</u>2,456= _____ 923,7<u>2</u>8= _____	Example: Round to the value of the underlined digit. 36.<u>4</u>5= ____36.5____ 6<u>7</u>.06= _____67_____	Round to the value of the underlined digit. 365.1<u>4</u>5= 62<u>7</u>.056=