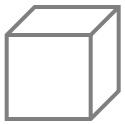
Incoming 7th Grade Summer Math Calendar

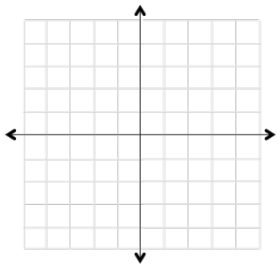
Week One

Problem	Work & Answer
In a bouquet of 24 roses, sixteen are red and the rest are pink. What is the ratio of pink to red roses?	
Find each quotient a.) 6,728 ÷ 16 b.) 18,931 ÷ 83	
How many faces, vertices and edges are on a box? 	
Evaluate each expression if a = 2, b=3 and c = 4. a.) 2a + 4b – c b.) 6(a + c) – b	
Jimmy can run 3.5 miles in 20 minutes. How far can he run in one hour and ten minutes?	

Week Two

Problem	Work & Answer
A season pass to the local waterpark costs $84. If you go to the park ten times during the season, what is the unit rate of cost per visit?	
Find the LCM of the following: a.) 3 and 8 b.) 9 and 12 c.) 4 and 6	
Find each product: a.) 13.08 x 0.7 b.) 1.14 x 0.86	
On Thursday the high temperature was 0˚C. If it was three degrees colder on Friday, what was the temperature?	
Right before a snow storm the hardware store sold fifteen shovels in sixty minutes. At that rate the store sold a shovel every _____ minutes.	

Week Three

Problem	Work & Answer
Find the GCF of the following: a.) 18 and 24 b.) 12 and 36 c.) 32 and 96	
Phoebe needs to use ¾ cups of sugar to make one batch of cookies. How many batches can she make with 12 cups of sugar?	
Which is colder -3˚ or -13˚? How much colder is that degree?	
Graph the ordered pairs. (-3,-1) (1, -1) (1,5)	
Connect the points in the previous problem. Then find the area of the given figure.	

Week Four

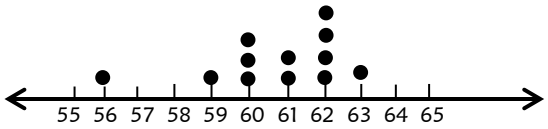
Problem	Work & Answer
Find the value of the following: a.) 2^4 b.) 4^3 c.) 6^2	

Study the data table which shows the number of laps each student ran during the warm up for gym class, then find the mean number of laps.

Student	Jack	Julie	Ben	Beatrice	Carl
# of laps	4	7	6	5	8

Find the absolute value of each: a.) -8 b.) 8	
Write and solve an inequality that means a number plus four is greater than or equal to twelve.	
A box of twelve granola bars was $3.60. What was the unit cost per bar?	

Week Five

Problem	Work & Answer
Evaluate each expression a.) $16 + 3^2 \times 2$ b.) $2^3 \div 4 + 12$	
Find the prime factorization of each: a.) 16 b.) 72	
Using the data plot in the next space, what is the outlier of the data shown?	 High Temperatures over the last 10 Days (in degrees Fahrenheit)
Solve for each variable. a.) $m - 64 = 7$ b.) $3r + 2 = 35$	
An aquarium's dimensions are $3\frac{1}{4}$ ft x 2ft x $1\frac{3}{4}$ ft. What is the volume of the aquarium?	