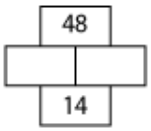
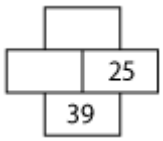
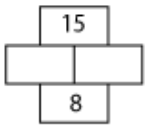
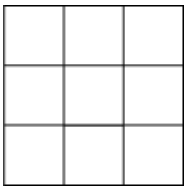
Name: ADVANCED DMR - Q1:6

Monday	Tuesday	Wednesday	Thursday
Use Order of Operations to simplify. $4^2 – (28 \div 7) + 111$	Use Order of Operations to simplify. $4^2 + 5[61 – (5x6)]$	Use Order of Operations to simplify. $(5+22) \times (35–27) + 6^2$	How much is half of 2.25?
What adds to be the bottom number but also multiplies to be the top? 	Same set up as the problem to the left. Fill in the blanks. 	What adds to be the bottom number but also multiplies to be the top? 	Fill in the numbers 2 to 10 so every row and column add up to 18. 
A recipe for cake needs ¾ of a cup of milk. You are making ½ of the recipe. How much milk do you need?	How long will it take you to drive 135 miles at a speed of 45 miles per hour?	A mermaid is swimming at sea level when a human comes by. She dives underwater at a rate of 8 meters per second. She continues to descend for 20 seconds. What depth is she now?	Jim is running on a trail that is $\frac{5}{4}$ of a mile long. So far he has run $\frac{2}{3}$ of the trail. How many miles has he run so far?
What is the approximate value of $\sqrt{42}$?	What is the approximate value of $\sqrt{18}$?	What is the value of $\sqrt{1.44}$?	What is the value of $\sqrt{2.25}$?
Multiply: $\left(-\frac{4}{9}\right)\left(-\frac{5}{8}\right)$	Divide: $\frac{-20.48}{-4}$ Simplify $19 – 1.67 + (–2.4)$	Simplify: $\left(2\frac{3}{5}\right) \div \left(-3\frac{3}{4}\right)$	Simplify: $\frac{1}{4}\left(-12 + \frac{4}{3}\right)$

Friday!

Vince, Neal, and Patrick collect baseball cards. Neal has 3 fewer cards than twice the number of cards Vince has. Patrick has 5 more baseball cards than Vince. Let x represent the number of baseball cards that Vince has. Use the algebra tiles to represent the number of cards each person has.

	Vince	Neal	Patrick
Model			
Expression			

Write an expression, in simplified form, for the number of baseball cards the three friends have altogether.

The table shows the number of tickets needed and the number of times Talia participated in different activities at a carnival. Write an expression, in simplified form, for the total number of tickets that Talia used.

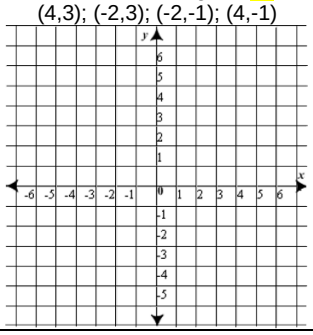
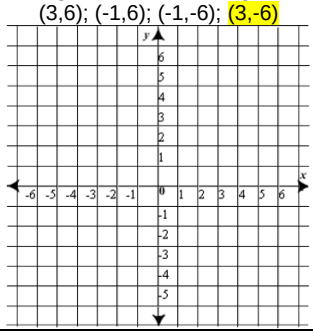
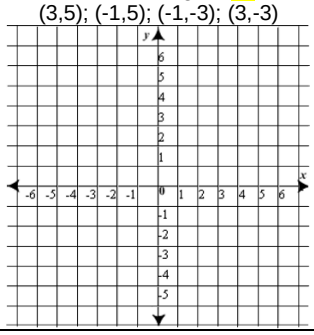
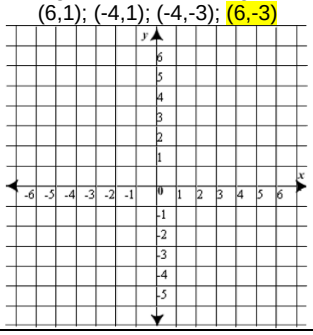
Activity	Tickets	Times Completed
Balloon Pop	3	a
Dunk Tank	4	b
Ring Toss	2	a
Trampoline	5	b

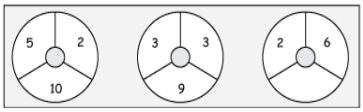
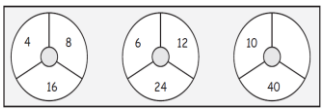
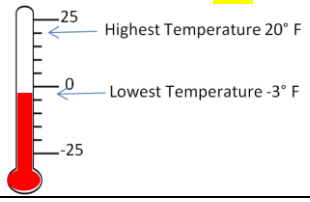
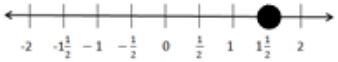
<u>Daily Math review Expectations</u>

1. Complete all problems each day.
2. Do your original work using a pencil at the beginning of class.
3. Make corrections using a pen, colored pencil, or marker during our whole class discussion.
4. If you are absent, you are still responsible for completing all of the problems.
5. Turn this in each Friday for a grade out of 23 points for accuracy.

Grade:_____/23

Answer Key - Weekly Math Homework - Q1:1

Monday	Tuesday	Wednesday	Thursday
Use Order of Operations to simplify. 99 $8 + 7(4^2 - 3)$	Use Order of Operations to simplify. 11 $2^3 - (30 \div 5) + 9$	Use Order of Operations to simplify. 252 $(5+22) \times (35-27) + 6^2$	Use Order of Operations to simplify. 220 $7^2 + 3[81 - (4x6)]$
Plot the following points and find the area of the figure. 24 (4,3); (-2,3); (-2,-1); (4,-1) 	Plot the following points to create a rectangle. Find the missing vertex. (3,6); (-1,6); (-1,-6); (3,-6) 	Plot the following points and find the area of the figure.32 (3,5); (-1,5); (-1,-3); (3,-3) 	Plot the following points to create a rectangle. Find the missing vertex. (6,1); (-4,1); (-4,-3); (6,-3) 
If point A is located at (-9, 2) on a coordinate plane, and point B is located at (-9, 10), what is the distance between the two points? 8	If point A is located at (5, -7), and there are 8 points between A and B, what could be the possible coordinates for point B? One example is (13,-7)	On a coordinate plane, point A is located at (7, 4), and point B is located at (-8, 4). What is the distance between the two points? 15	Amy places a dot on a coordinate plane at (-3, -6). She wants to place another dot across the y-axis, and it must be 8 points away. Where will Amy place the other dot? (5,-6)
Fill in the Blank 96 inches = ___8___ feet	Fill in the Blank 2.5 gallons = ___40__ cups	Fill in the Blank 3 miles = _15840__ feet	Fill in the Blank 7.5 quarts = __15___ pints

List the factors of 20. 1,2,4,5,10,20	If you have 24 square pieces of wood, describe all the different ways you could make a rectangle by placing them side by side. 1X24, 2X12, 3X8, 4X6	How long will it take you to drive 175 miles at a speed of 25 miles per hour? 7 hours	How long will it take you to ski a distance of 36 miles at a speed of 3 miles per 30 minutes. 6 hours
You drive your car for 3 hours at an average speed of 130 km per hour. How far did you go? 390 km	You fly in a helicopter for 20 minutes that goes at a speed of 240 km per hour. How far did you go? 80km	What number goes in the missing space? 12 	What number goes in the missing space? 20 
What is the difference between the high and low temp in the thermometer? 23° 	Bob is training for a race. Bob ran 14.6 miles away from his home. Then, Bob ran 9.8 miles towards his home. Finally, Bob ran 5.3 miles away from his home. How far is Bob from his home? 10.1 miles	Use the diagram below to find the solution to $-\frac{1}{2}+2=$ __ 	Jon borrows $6.50 from his friends to pay for snacks, and $11.75 from his sister to go to the movies. How much money does he need to repay? $18.25
Simplify: $-\frac{2}{5}+\frac{4}{3}=\frac{14}{15}$	Simplify: (6.89 + 14.52) + (–14.52) = 6.89	Simplify: $4\left(\frac{1}{2}+\frac{5}{4}\right)+-5=2$	Simplify: 1.7 + (–5) + (–3.27) = –6.57