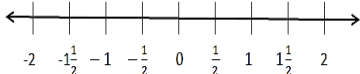
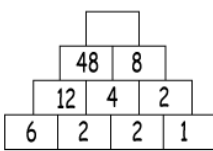
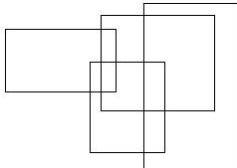


Name:

ADVANCED DMR - Q1:7

Monday	Tuesday	Wednesday	Thursday												
How long will it take you to drive 120 miles at a speed of 15 miles per hour?	You drive your car for 4.5 hours at an average speed of 70 miles per hour. How far did you go?	Simplify $4\left(\frac{1}{2} + \frac{3}{4}\right) + (-2) =$	Write the fraction $\frac{29}{7}$ as a repeating decimal												
Which of the following expressions is equivalent to $-\frac{1}{4} - \frac{5}{3}$? $-\frac{1}{4} + (-\frac{5}{3})$ or $-\frac{1}{4} + \frac{5}{3}$	 Place the following fractions on the number line. $-\frac{2}{3}(a), \frac{20}{11}(b), \frac{3}{10}(c), -\frac{5}{3}(d)$	Figure out the pattern, fill in the blank. 	Which number(s) below represents a repeating decimal? $-\frac{2}{3}, -\frac{3}{5}, \frac{3}{10}, \frac{11}{20}$												
How many $\frac{3}{8}$ foot pieces of wood can you cut from a board that is $1\frac{7}{8}$ feet long?	The table shows a bank account balance for 2 days. <table border="1" data-bbox="466 890 787 976"><tr><th>Day</th><th>Mon</th><th>Tues</th></tr><tr><td>Balance</td><td>\$21</td><td>-\$55</td></tr></table> How much did the bank account change over the two days?	Day	Mon	Tues	Balance	\$21	-\$55	The high temp today was 62°. When nighttime comes, the temp will drop 40°. By 4am the temp will drop an additional 40°. What is the temp at 4am?	Jon is making hamburgers for a church lunch. He has $42\frac{2}{3}$ lbs of ground beef. How many $\frac{1}{3}$ pound hamburgers can he make using all the ground beef?						
Day	Mon	Tues													
Balance	\$21	-\$55													
How many rectangles are there? 	What time is $5\frac{3}{4}$ hours after 11:32 pm?	If point A is located at (-7, 5) on a coordinate plane, and point B is located at (4, 5), what is the distance between the two points?	What was the biggest decrease in time from the 1 st leg to the 2 nd leg? <table border="1" data-bbox="1237 1356 1520 1543"><tr><th colspan="2">Relay Scores</th></tr><tr><th>First Leg</th><th>Second Leg</th></tr><tr><td>55.3 seconds</td><td>40.38 seconds</td></tr><tr><td>55.29 seconds</td><td>40.402 seconds</td></tr><tr><td>55.295 seconds</td><td>40.4 seconds</td></tr><tr><td>55.037 seconds</td><td>41.2 seconds</td></tr></table>	Relay Scores		First Leg	Second Leg	55.3 seconds	40.38 seconds	55.29 seconds	40.402 seconds	55.295 seconds	40.4 seconds	55.037 seconds	41.2 seconds
Relay Scores															
First Leg	Second Leg														
55.3 seconds	40.38 seconds														
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$> , < , \text{ or } =$ $-\frac{29}{8}$ _____ -3.62	Simplify: $\frac{6}{5} + 10.35$	Simplify: $5.4 \times \frac{7}{4}$	Simplify: $-\frac{2}{3} \div 3\frac{3}{4}$												

Friday!

The radius of a circle with area A can be approximated using the formula

$r = \sqrt{\frac{A}{3}}$. Use a number line to estimate the radius of each circular swimming pool to the nearest integer.

Pool 1: $A = 240 \text{ ft}^2$

$r \approx$



Pool 2: $A = 105 \text{ ft}^2$

$r \approx$



Pool 3: $A = 198 \text{ ft}^2$

$r \approx$



After an accident, officials use the formula $s = \sqrt{24m}$ to estimate the speed a car was traveling based on the length of the car's skid marks. In the formula, s represents the speed in miles per hour and m is the length of the skid marks in feet. If a car leaves a skid mark of 50 feet, what was its approximate speed?


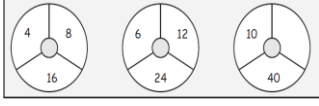
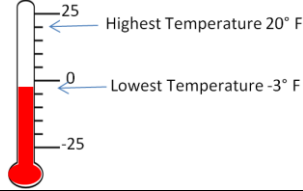
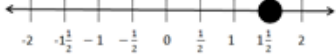
Daily Math review Expectations

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	Use Order of Operations to simplify. 11	Use Order of Operations to simplify. 252	Use Order of Operations to simplify. 220
$8 + 7(4^2 - 3)$	$2^3 - (30 \div 5) + 9$	$(5+22) \times (35-27) + 6^2$	$7^2 + 3[81 - (4 \times 6)]$
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	Fill in the Blank	Fill in the Blank	Fill in the Blank
96 inches = 8 feet	2.5 gallons = 40 cups	3 miles = 15840 feet	7.5 quarts = 15 pints

<p>List the factors of 20. 1,2,4,5,10,20</p>	<p>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</p>	<p>How long will it take you to drive 175 miles at a speed of 25 miles per hour? 7 hours</p>	<p>How long will it take you to ski a distance of 36 miles at a speed of 3 miles per 30 minutes. 6 hours</p>
<p>You drive your car for 3 hours at an average speed of 130 km per hour. How far did you go? 390 km</p>	<p>You fly in a helicopter for 20 minutes that goes at a speed of 240 km per hour. How far did you go? 80km</p>	<p>What number goes in the missing space? 12</p> 	<p>What number goes in the missing space? 20</p> 
<p>What is the difference between the high and low temp in the thermometer? 23°</p> 	<p>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</p>	<p>Use the diagram below to find the solution to $-\frac{1}{2} + 2 = \underline{\hspace{1cm}}$</p> 	<p>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</p>
<p>Simplify: $-\frac{2}{5} + \frac{4}{3} = \frac{14}{15}$</p>	<p>Simplify: $(6.89 + 14.52) + (-14.52) = 6.89$</p>	<p>Simplify: $4\left(\frac{1}{2} + \frac{5}{4}\right) + -5 = 2$</p>	<p>Simplify: $1.7 + (-5) + (-3.27) = -6.57$</p>