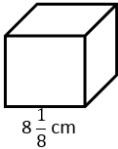
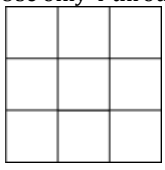


Name:

ADVANCED DMR – Q2:4

Monday	Tuesday	Wednesday	Thursday
$>, <, \text{ or } =$ $-\frac{36}{8} \text{ ——— } - 4.5$	Solve: $2(-x - 12) = 4$	Solve: $3 - (-12)$	Divide. Express your answer in simplest form. $1\frac{7}{11} \div 2\frac{1}{2}$
Solve: $(2x + 3) - (3x + 7)$	Solve $(-3x - 2) - (-4x - 9)$	Find the difference between these two expressions $(-x + 10)$ and $(6x - 5)$	Find the difference between these two expressions $(8x - 4)$ and $(-2x + 1)$
Solve the equation: $39 = 3m - 12$	Anne bought a necklace for each of her three sisters. She paid \$7 for each necklace. Suppose she had \$9 left. Write and solve an equation to find out how much money Anne had initially before she bought the necklaces.	Sarah wants to buy some CDs that each cost \$14, and a DVD that costs \$23. She has \$65 in her wallet. Write and solve an equation to find out how many CDs she can buy.	Solve: $-4x - 7 + 12x = 65$
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?	The morning temp in Atlanta, Georgia is $21\frac{1}{4}^{\circ}\text{C}$. During the day, it warms up $6\frac{2}{7}^{\circ}\text{C}$. What is the new temperature?	Jim had \$3,067.48 in his checking account. He wrote a check to pay for two airplane tickets. His account now has \$1,845.24. How much did each ticket cost?	In 1999, bus fare in Atlanta was \$4.70. In 1979, the fare was $\frac{2}{5}$ the fare in 1999. What was the fare in 1979?
Find the surface area of the cube. Round to the nearest whole number. 	$\square + \bigcirc = 53$ $\bigcirc =$ $\triangle + \triangle = 36$ $\triangle =$ $\triangle + \bigcirc = 45$ $\square =$	Every row and column must add to 24. Use only 4 through 12. 	Jon places a dot on a coordinate plane at $(-10, -4)$. He wants to place another dot across the y-axis, and it must be 14 points away. Where will Jon place the other dot?

Friday!

. Caitlin earns \$7 per hour babysitting. She wants to earn at least \$105 for a camping trip. Determine if each statement is true or false.

- a. The inequality $\frac{h}{7} \geq 105$ models how many hours Caitlin must babysit to earn at least \$105. ☐ True ☐ False
- b. The inequality $7h \geq 105$ models how many hours Caitlin must babysit to earn at least \$105. ☐ True ☐ False
- c. Caitlin must babysit up to 15 hours in order to earn at least \$105. ☐ True ☐ False

. Soccer balls cost \$24 each at Sports Emporium. Coach Neville can spend at most \$120 on equipment for the soccer team. Let b represent the number of soccer balls Coach Neville can buy.

Write an inequality to model the situation.

Solve the inequality for b .



Graph the solution on the number line.

How many soccer balls can Coach Neville buy? List all of the possible answers.

MP Persevere with Problems Consider the inequalities $b \geq 4$ and $b \leq 13$.

- a. Graph each inequality on the number line.
- b. Do the solution sets of the two inequalities overlap? If so, what does this overlapping area represent?



- c. A compound inequality is an inequality that combines two inequalities. Write a compound inequality for the situation.

- d. Look back at the graph of the solutions for both inequalities. Make another graph that shows only the solution of the compound inequality.



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