

Remember to show ALL work to receive credit!

Monday

Solve each expression.

1. $-8^2 + 3(4) - 4(2)$

2. $(-4)^2 + (-8)^3 + 5(2) =$

3. $5(-4)^3$

4. $0.6(-1.3) - (-0.12) =$

5. $(-3)^2 + (-4)(-2) =$

Tuesday

1. Emily runs 1600 meters and 5 minutes 30 seconds and Megan runs 800 meters and 2 minutes 40 seconds. Who has the faster average speed? *Explain your reasoning.*

2. A baseball player hit a ball at the speed of 8,000 feet per *minute*. What was the speed of the ball in feet per *hour*?

3. Jacob uses $\frac{1}{7}$ of a liter of water to fill $\frac{1}{9}$ of the fish aquarium. How many liters of water are needed to fill the aquarium?

4. Which ratio is equal to $\frac{24}{36}$?

a. $\frac{36}{24}$

b. $\frac{3}{2}$

c. $\frac{6}{3}$

d. $\frac{2}{3}$ unit

5. Solve: $\frac{2 \cdot 4 - 6(2 + 1)}{1 - 3 \cdot 2}$

Wednesday

1. Which set of ordered pairs is not proportional? How do you know?

a) (0,0), (2,6), (4, 12), 6, 18)

b) (0, 4), (2, 10), (4, 16), (6, 22)

2. $\frac{2 \cdot 6 - (4 + 2)}{(-2 - 4 - 6) \div (2 - 1)}$

3. $\frac{3 \cdot 2 + 6 + 2 \cdot 3 + 6}{3^2 + 2^2 + 1^2}$

4. $6 \frac{2}{5} \div 5 \frac{1}{3}$

5. Ethan made $2 \frac{1}{2}$ quarts of soup. He served $\frac{1}{2}$ of the soup to his family for dinner. How much soup was left over?

Thursday

1. Leslie is cutting wood to make picture frames. How many pieces of wood that are $10 \frac{3}{4}$ inches long can she cut from a board that is $75 \frac{1}{4}$ inches long?

2. The regular price of a basket of geraniums is \$16.95. They are on sale for $\frac{1}{3}$ off the regular price. How much will you save if you buy the geraniums on sale?

3. Jack spent $\frac{1}{3}$ of the money and his picket on a movie and $\frac{1}{6}$ on snacks. What fraction of his money is left?

4. Ryan ran a total of 15 miles last month. He ran $\frac{5}{8}$ mile each day. How many days did he run?

5. $(5^3 - 100)^2 \div 5^2$