

*Remember to show ALL work to receive credit!***MONDAY HOMEWORK**

1. You can buy your favorite crackers and a 10-ounce box for \$2.69 or a 1 pound box for \$3.28. Which is a better buy? Explain.

2. Evaluate each expression.

a) $0.65 + (-\frac{3}{5})$

b) $(.3)(-2\frac{2}{3})$

c) $-2.7 - (-\frac{4}{5})$

3. The courthouse is the tallest building in the city. If it is $7\frac{1}{2}$ inches tall on a scale drawing, how tall is the actual building? (Use the scale 1 inch = 9 feet)

TUESDAY HOMEWORK

1. A model ship is built to a scale of 1 cm = 5 meters. The length of the model is 30 cm. What is the length of the actual ship?

2. In a bag of red and green peppers, the ratio of red peppers to green pepper is 3:4. If the bag contains 120 green peppers, how many red peppers are there?

3. Identify which set of ordered pairs show a proportional relationship and which one does not. Explain how you know.

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

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

4. You earn \$54 mowing 3 lawns. You charge the same amount for each lawn. How much would you earn if you mowed 5 lawns?

5. The ratio of girls to boys and math class is 3:2. How many boys are there if the class has a total of 20 students?

WEDNESDAY HOMEWORK

1. Is the data in the table a proportional relationship? If so, find the constant of proportionality, and write an equation to represent the situation.

#of downloads	2	4	5	6	10
Total cost (\$)	6	12	15	18	30

2. It's the end of the soccer season and all equipment at The Soccer Shop is on sale for 32% off. What is the discount and sale price of a soccer ball that regularly sells for \$28?

3. It takes Cole $\frac{1}{10}$ hour to walk a $\frac{1}{6}$ mile park loop. What is Cole's unit rate and miles per hour?

4. Games Unlimited buys video games for \$10 wholesale. The store increases their purchase price by 310% more. What is the retail sales price of the video game?

5. What percent of 150 is 12?

THURSDAY HOMEWORK

1. Is the data in the table a proportional relationship? If so, what is the constant of proportionality? If not, explain your reasoning.

Hours needed to clean up	12	9	8	6
# of people cleaning	2	3	4	6

2. Trey purchases a snowboard that originally costs \$120, but it is on sale for 45% off. He also uses a coupon for an additional \$15 off any purchase. What will his final price be for the snowboard?

3. Roanoke and Blacksburg are 71.7 miles from each other. How far apart would the cities be on a map that has a scale of 1.4 inches: 16.2 miles?

4. A salesperson set a goal to earn \$2,000 and May. He receives a base salary of \$500 per month as well as 10% commission for all sales in that month. How much merchandise will he have to sell to meet his goal?