

Pre-Algebra Homework 7 Quiz First Name _____ Last _____

1. Simplify each of the following expressions.

a) $5 + 6 + (-8)$

b) $-10 + 3 + -4 + 5$

2. Complete a portion web for each number below.

a) $\frac{5}{8}$

b) $0.\bar{2}$

3. John has a bag of marbles that contains 12 red marbles, 20 green marbles, and 18 blue marbles.

a) If John pulls one marble out of the bag, what is the probability that it will not be red? That is, $P(\text{not red})$? Write your probability as a fraction.

b) What is the probability that he will draw a green marble? That is, $P(\text{green})$?

4. On Saturday, Ella helped her mother around the house. She spent $\frac{2}{5}$ of her time doing laundry, $\frac{1}{4}$ of her time cleaning, and the rest of her time working in the yard. What fraction of her time was spent in the yard?

5. Natalee loves to talk on the phone, but her parents try to limit the amount of time she talks. They decided to keep a record of the number of minutes that she spends on the phone each day. Here are the data for the past five days: 120, 0, 0, 6, and 4.

a) Find the median for the information.

b) Find the mean for the information.

c) Which of the two measures above would give Natalee's parents the most accurate information about her phone use? *Why* do you think so?

Answers on next page.



Answers

1. a) 3

b) -6

2. a)

$$0.625 \triangle \frac{5}{8} \triangle 62.5\%$$

b)

$$22.\bar{2}\% \triangle 0.\bar{2} \triangle \frac{2}{9}$$

3. a) $\frac{38}{50}$

b) $\frac{20}{50}$

4. $\frac{7}{20}$

5. a) 4

b) 26

c) Explain your answer