

Pre-Algebra Homework 4 Quiz First Name _____ Last _____

1. Rewrite each fraction as a percent and each percent as a simplified fraction.

a) 35%

b) $\frac{7}{25}$

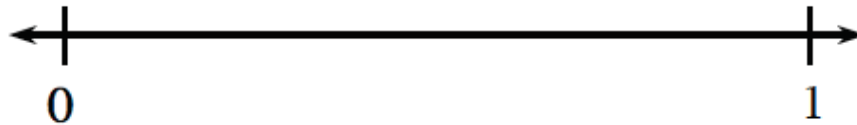
2. Write “theoretical” or “experimental” to describe the probabilities for each of the situations:

a) The chance of getting heads when flipping a coin is $\frac{1}{2}$.

b) I flipped a coin five times and got tails three times, so the probability of tails is $\frac{3}{5}$.

3. Place the following probabilities on the number line below. **Label** each probability with the corresponding letter: **A)** A 40% chance of rain tomorrow.

B) A $\frac{3}{4}$ chance that you’ll have homework today.



4. Melina is drawing coins from a bag that contains 5 pennies, 4 nickels, 5 dimes, and 6 quarters. What is the probability that she will draw a quarter? Write your answer as a fraction, as a decimal, *and* as a percent.

5. If one penny, two dimes, and two quarters are added to Melina’s bag (see question #4), what is the new probability that Melina will draw a quarter? Write your answer as a fraction, as a decimal, *and* as a percent.

Answers on next page.



Answers

1. a) $\frac{7}{20}$ b) 28%

2. a) Theoretical b) Experimental



4. $\frac{6}{20}$ or $\frac{3}{10}$ 30% 0.3

5. $\frac{8}{25}$ 32% 0.32