

Probability Quiz grade 6

Name: _____

1. Collecting data for the height of students in our class would be considered:
 - a. Discrete data
 - b. Continuous data
2. Explain why you picked your answer for question 1:
3. Define theoretical probability.
4. Define experimental probability.
5. Playing the game skunk is an example of:
 - a. Theoretical probability
 - b. Discrete probability
 - c. Experimental probability
 - d. Continuous probability
6. What is the decimal 0.45 in a percentage?
 - a. 50%
 - b. 45%
 - c. 55%

7. 25 erasers are put into a bag for a lucky draw. 3 of them are pink, 7 of them are blue, 10 of them are red, and 5 of them are yellow.
- a. What is the probability of picking a pink OR red eraser? (Percentage)
 - b. What is the probability of picking a blue eraser? (Decimal)
 - c. What is the probability of picking a yellow eraser? (Fraction)
8. Mr. Manga has a jar filled with 200 old dimes. Suppose he selects a dime from the jar without looking. There is a 20% chance that he will draw a dime from the 1960s. How many 1960s dime are there in Mr. Manga's Jar? Explain.

Convert each of the following into a percentage, decimal, and fraction.

A) 27%

B) $\frac{5}{16}$

C) 0.67

Use a tree diagram to solve the following problem.

Miss Liu is making necklaces. Each necklace has 1 bead, 1 charm, and a coloured string. Charm colour options are pink, blue, and purple. Bead colour options are black and white. String colour options are grey or brown. How many possible necklace combinations could Miss. Liu make?