

# Probability quiz grade 5

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Name: \_\_\_\_\_

1. Define theoretical probability.
  
  
  
  
  
  
  
  
  
  
2. Define experimental probability.
  
  
  
  
  
  
  
  
  
  
3. Playing the game skunk is an example of:
  - a. Theoretical probability
  - b. Discrete probability
  - c. Experimental probability
  - d. Continuous probability
  
  
  
  
  
  
  
  
  
  
4. What is the decimal 0.45 in a percentage?
  - a. 50%
  - b. 45%
  - c. 55%
  
  
  
  
  
  
  
  
  
  
5. Use the words *unlikely*, *likely*, *impossible*, or *certain* to describe each event.
  - a. The school day will end. \_\_\_\_\_
  - b. You will eat today. \_\_\_\_\_
  - c. You will win the lottery in your lifetime. \_\_\_\_\_

6. 25 erasers are put into a bag for a lucky draw. 10 of them are pink, 10 of them are blue, and 5 of them are red.
- a. What is the probability of picking a pink eraser? (In fraction form)
  
  
  
  
  
  
  
  
  
  
  - b. What is the probability in the form of a percentage?
7. Use a tree diagram to solve the following problem.

Miss Liu has red, green, yellow, and blue marbles. She wants to give Mr. Manga 2 marbles. What possible colour combinations can he give her?