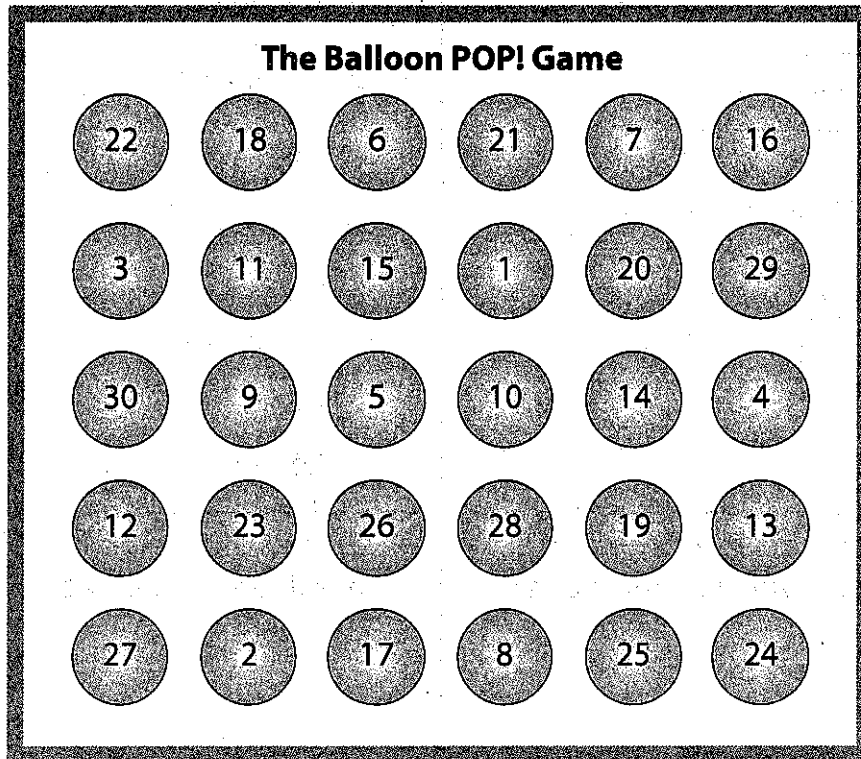


Standard 7.SP.5 (L)

Probability POP!

Directions: Answer each question below by expressing the probability of the event as a fraction, decimal, and percent. Then, circle whether the event is "impossible," "unlikely," "equally likely," "likely," or "certain."



1. What is the probability of popping a balloon labeled with a single-digit number?

a. Fraction: _____

b. Decimal: _____

c. Percent: _____

d. Impossible

Unlikely

Equally Likely

Likely

Certain

2. What is the probability of popping a balloon whose label includes the digit 2?

a. Fraction: _____

b. Decimal: _____

c. Percent: _____

d. Impossible

Unlikely

Equally Likely

Likely

Certain

continue to next page

<p>3. What is the probability of popping a balloon labeled with an odd number?</p> <p>a. Fraction: _____</p> <p>b. Decimal: _____</p> <p>c. Percent: _____</p> <p>d. Impossible Unlikely Equally Likely Likely Certain</p>	<p>5. What is the probability of popping a balloon whose label includes the digit 7?</p> <p>a. Fraction: _____</p> <p>b. Decimal: _____</p> <p>c. Percent: _____</p> <p>d. Impossible Unlikely Equally Likely Likely Certain</p>
<p>4. What is the probability of popping a balloon labeled with a multiple of 4?</p> <p>a. Fraction: _____</p> <p>b. Decimal: _____</p> <p>c. Percent: _____</p> <p>d. Impossible Unlikely Equally Likely Likely Certain</p>	<p>6. What is the probability of popping a balloon labeled with a double-digit number?</p> <p>a. Fraction: _____</p> <p>b. Decimal: _____</p> <p>c. Percent: _____</p> <p>d. Impossible Unlikely Equally Likely Likely Certain</p>

*Standard 7.SP.5 (M)***Problem Solving IV****Directions:** Solve each problem below. Show all of your work.

1. Jeremy's coin jar contains pennies, dimes, and quarters. Jeremy randomly selects one coin from the jar. The probability of selecting a penny is $\frac{1}{15}$. The probability of selecting a dime is $\frac{3}{5}$. The probability of selecting a quarter is $\frac{1}{3}$. What is the probability that Jeremy will select a penny or a quarter?

Answer: _____

2. A gumball machine contains red, purple, and green gumballs. Kelsey inserts a dime and will receive one gumball selected randomly by the machine. The probability of receiving a red gumball is $\frac{1}{6}$. The probability of receiving a purple gumball is $\frac{1}{3}$. The probability of receiving a green gumball is $\frac{1}{2}$. What is the probability that Kelsey will receive a purple or green gumball?

Answer: _____

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3. Mr. Randall is fishing at a pond that contains catfish, trout, and bass. The probability of catching a catfish is $\frac{1}{8}$. The probability of catching a trout is $\frac{3}{4}$. The probability of catching a bass is $\frac{1}{8}$. What is the probability that Mr. Randall will catch a catfish or a trout?

Answer: _____

4. A box of dog treats contains chicken-flavored, fish-flavored, beef-flavored, and cheese-flavored treats. Samuel randomly selects one treat from the box. The probability of selecting a chicken-flavored treat is $\frac{2}{8}$. The probability of selecting a fish-flavored treat is $\frac{1}{4}$. The probability of selecting a beef-flavored treat is $\frac{2}{5}$. The probability of selecting a cheese-flavored treat is $\frac{1}{10}$. What is the probability that Samuel will select a chicken-flavored or beef-flavored treat?

Answer: _____