



Probability and Statistics

Name: _____

Date: _____

Grade: Grade 5

Part A: Fix the Sentence

Each sentence has an error. Rewrite it correctly on the line.

1. Fix the sentence: Each color have a equal chance.

Rewrite: _____

2. Fix the sentence: Hearts is one of four suit in the deck.

Rewrite: _____

3. Fix the sentence: The chance of red are fifty percent.

Rewrite: _____

Part B: Fill in the Blank

Write the missing word or number on each line.

1. On a 4-color spinner with red, blue, green, yellow, $P(\text{green}) =$ _____ .
2. There are 13 hearts in a deck of 52. $P(\text{heart}) =$ _____ .
3. The probability of flipping heads on a fair coin can be written as 1 out of _____ .
4. As a percent, $P(\text{heart}) = 1/4$ equals _____ %.

Part C: Short Answer

Answer each question in one or two complete sentences.

1. Explain in words and as a fraction the probability of drawing the ace of spades from a full deck.

2. A spinner shows 4 equal colors. Write $P(\text{yellow})$ as a fraction and a percent.

Part A: Fix the Sentence

Each sentence has an error. Rewrite it correctly on the line.

1. Fix the sentence: Each color have a equal chance.

Rewrite: Each color has an equal chance.

2. Fix the sentence: Hearts is one of four suit in the deck.

Rewrite: Hearts is one of four suits in the deck.

3. Fix the sentence: The chance of red are fifty percent.

Rewrite: The chance of red is fifty percent.

Part B: Fill in the Blank

Write the missing word or number on each line.

- On a 4-color spinner with red, blue, green, yellow, $P(\text{green}) = \underline{1/4}$.
- There are 13 hearts in a deck of 52. $P(\text{heart}) = \underline{1/4}$.
- The probability of flipping heads on a fair coin can be written as 1 out of 2 .
- As a percent, $P(\text{heart}) = 1/4$ equals 25 %.

Part C: Short Answer

Answer each question in one or two complete sentences.

1. Explain in words and as a fraction the probability of drawing the ace of spades from a full deck.

There is 1 ace of spades in 52 cards, so $P = 1$ out of 52, or $1/52$.

2. A spinner shows 4 equal colors. Write $P(\text{yellow})$ as a fraction and a percent.

$P(\text{yellow}) = 1/4 = 25\%$ because one of four equal sectors is yellow.
