



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: On a spinner with 4 equal red sections, landing on red is unlikely.

Rewrite: _____

2. Fix the sentence: The probability of rolling an even number on a six-sided die is $1/6$.

Rewrite: _____

3. Fix the sentence: Pulling a green marble from a bag of 5 red marbles is likely.

Rewrite: _____

Part B: Fill in the Blank

Write the missing word or number on each line.

1. On a spinner with 4 equal sections (1 blue, 3 yellow), $P(\text{yellow}) =$ _____ .
2. Rolling an odd number (1, 3, or 5) on a standard die has probability _____ .
3. If 2 of 8 marbles are green, the probability of green is _____ .
4. An event that probably will not happen is called _____ .

Part C: Short Answer

Answer each question in one or two complete sentences.

1. A bag has 3 red and 7 blue marbles. Is drawing red likely or unlikely? Give the probability.

2. Why is the probability of flipping heads or tails on a fair coin certain?

Part A: Fix the Sentence

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

1. Fix the sentence: On a spinner with 4 equal red sections, landing on red is unlikely.

Rewrite: On a spinner with 4 equal red sections, landing on red is certain.

2. Fix the sentence: The probability of rolling an even number on a six-sided die is 1/6.

Rewrite: The probability of rolling an even number on a six-sided die is 1/2.

3. Fix the sentence: Pulling a green marble from a bag of 5 red marbles is likely.

Rewrite: Pulling a green marble from a bag of 5 red marbles is impossible.

Part B: Fill in the Blank

Write the missing word or number on each line.

1. On a spinner with 4 equal sections (1 blue, 3 yellow), $P(\text{yellow}) = \underline{3/4}$.

2. Rolling an odd number (1, 3, or 5) on a standard die has probability 1/2 .

3. If 2 of 8 marbles are green, the probability of green is 1/4 .

4. An event that probably will not happen is called unlikely .

Part C: Short Answer

Answer each question in one or two complete sentences.

1. A bag has 3 red and 7 blue marbles. Is drawing red likely or unlikely? Give the probability.

Drawing red is unlikely because only 3 of 10 marbles are red, so the probability is 3/10.

2. Why is the probability of flipping heads or tails on a fair coin certain?

Every flip lands on either heads or tails, so the event always happens and the probability is 1.
