



# Probability and Statistics

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

Date: \_\_\_\_\_

Grade: Grade 5

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## Part A: Fix the Sentence

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

1. Fix the sentence: The probability of flipping heads on a fair coin is  $1/3$ .

Rewrite: \_\_\_\_\_

2. Fix the sentence: Rolling a 7 on a standard six-sided die is likely.

Rewrite: \_\_\_\_\_

3. Fix the sentence: If a bag has only red marbles, drawing red is unlikely.

Rewrite: \_\_\_\_\_

## Part B: Fill in the Blank

Write the missing word or number on each line.

1. An event that will definitely happen is called \_\_\_\_\_.
2. The probability of flipping tails on a fair coin is \_\_\_\_\_.
3. Rolling a 4 on a standard six-sided die has probability \_\_\_\_\_.
4. An event that cannot happen is called \_\_\_\_\_.

## Part C: Short Answer

Answer each question in one or two complete sentences.

1. Describe the chance of pulling a blue marble from a bag with 1 blue and 9 red marbles.

\_\_\_\_\_  
\_\_\_\_\_

2. Explain why rolling a number less than 7 on a standard die is certain.

\_\_\_\_\_  
\_\_\_\_\_

**Part A: Fix the Sentence**

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

1. Fix the sentence: The probability of flipping heads on a fair coin is  $1/3$ .

Rewrite: **The probability of flipping heads on a fair coin is  $1/2$ .**

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2. Fix the sentence: Rolling a 7 on a standard six-sided die is likely.

Rewrite: **Rolling a 7 on a standard six-sided die is impossible.**

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3. Fix the sentence: If a bag has only red marbles, drawing red is unlikely.

Rewrite: **If a bag has only red marbles, drawing red is certain.**

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**Part B: Fill in the Blank**

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Write the missing word or number on each line.

1. An event that will definitely happen is called **certain** .
2. The probability of flipping tails on a fair coin is  **$1/2$**  .
3. Rolling a 4 on a standard six-sided die has probability  **$1/6$**  .
4. An event that cannot happen is called **impossible** .

**Part C: Short Answer**

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Answer each question in one or two complete sentences.

1. Describe the chance of pulling a blue marble from a bag with 1 blue and 9 red marbles.

*The chance is unlikely because only 1 out of 10 marbles is blue, giving probability  $1/10$ .*

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2. Explain why rolling a number less than 7 on a standard die is certain.

*Every face on a die shows 1, 2, 3, 4, 5, or 6, and all are less than 7, so the event always happens.*

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