



# Probability and Statistics

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

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

Grade: Grade 5

## Part A: Multiple Choice

Circle the best answer for each question.

1. A bag has 3 red and 2 blue marbles. What is  $P(\text{red})$ ?

- A)  $3/5$
- B)  $2/5$
- C)  $1/2$
- D)  $1/5$

2. A bag has 3 red and 2 blue marbles. If you add 5 more red marbles, what is the new  $P(\text{red})$ ?

- A)  $3/5$
- B)  $8/10$
- C)  $5/10$
- D)  $2/10$

3. A line plot shows X marks at 2(2), 3(3), 4(1). What is the mode?

- A) 2
- B) 4
- C) 3
- D) 9

4. A bar graph shows 4, 6, 8, 10, 12 books read. What is the mean?

- A) 6
- B) 10
- C) 12
- D) 8

## Part B: Fill in the Blank

Write the correct answer on each line.

1. A bag has 4 green and 6 yellow marbles.  $P(\text{green}) =$  \_\_\_\_\_ .
2. Remove 2 yellow marbles from the same bag. New  $P(\text{green}) =$  \_\_\_\_\_ .
3. A line plot has X's at 1(2), 2(4), 3(2), 4(2). The mean is \_\_\_\_\_ .
4. The same line plot has a median of \_\_\_\_\_ .
5. A bar graph shows quiz scores 7, 8, 8, 9, 10. The range is \_\_\_\_\_ .

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1. A bag has 3 red and 2 blue marbles. What is P(red)?

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4. A bar graph shows 4, 6, 8, 10, 12 books read. What is the mean?

- A) 6
- B) 10
- C) 12
- D) 8

**Part B: Fill in the Blank**

Write the correct answer on each line.

1. A bag has 4 green and 6 yellow marbles.  $P(\text{green}) = \underline{4/10}$  .
2. Remove 2 yellow marbles from the same bag. New  $P(\text{green}) = \underline{4/8}$  .
3. A line plot has X's at 1(2), 2(4), 3(2), 4(2). The mean is 2.4 .
4. The same line plot has a median of 2 .
5. A bar graph shows quiz scores 7, 8, 8, 9, 10. The range is 3 .