



# Probability and Statistics

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

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

Grade: Grade 5

## Part A: Multiple Choice

Circle the best answer for each question.

1. A line plot has X's at 5(1), 6(3), 7(2), 8(4).

What is the mode?

- A) 8
- B) 6
- C) 7
- D) 5

2. A bag holds 2 red, 3 blue, and 5 green marbles.

What is  $P(\text{blue})$ ?

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

3. From the same bag, remove all green marbles.

What is the new  $P(\text{blue})$ ?

- A)  $3/10$
- B)  $2/5$
- C)  $3/5$
- D)  $1/2$

4. A bar graph shows minutes 10, 20, 30, 40.

What is the median?

- A) 20
- B) 30
- C) 35
- D) 25

## Part B: Fill in the Blank

Write the correct answer on each line.

1. A bag has 5 red, 3 blue, 2 yellow marbles.  $P(\text{yellow}) =$  \_\_\_\_\_ .

2. Add 5 more yellow to the same bag. New  $P(\text{yellow}) =$  \_\_\_\_\_ .

3. A line plot has X's at 4(2), 5(3), 6(5). The mean is \_\_\_\_\_ .

4. A bar graph shows scores 50, 60, 70, 80, 90. The mean is \_\_\_\_\_ .

5. The same bar graph has a range of \_\_\_\_\_ .

**Part A: Multiple Choice**

Circle the best answer for each question.

1. A line plot has X's at 5(1), 6(3), 7(2), 8(4).

What is the mode?

- A) 8
- B) 6
- C) 7
- D) 5

2. A bag holds 2 red, 3 blue, and 5 green marbles.

What is P(blue)?

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

3. From the same bag, remove all green marbles.

What is the new P(blue)?

- A)  $3/10$
- B)  $2/5$
- C)  $3/5$
- D)  $1/2$

4. A bar graph shows minutes 10, 20, 30, 40.

What is the median?

- A) 20
- B) 30
- C) 35
- D) 25

**Part B: Fill in the Blank**

Write the correct answer on each line.

1. A bag has 5 red, 3 blue, 2 yellow marbles.  $P(\text{yellow}) = \underline{2/10}$  .
2. Add 5 more yellow to the same bag. New  $P(\text{yellow}) = \underline{7/15}$  .
3. A line plot has X's at 4(2), 5(3), 6(5). The mean is 5.3 .
4. A bar graph shows scores 50, 60, 70, 80, 90. The mean is 70 .
5. The same bar graph has a range of 40 .