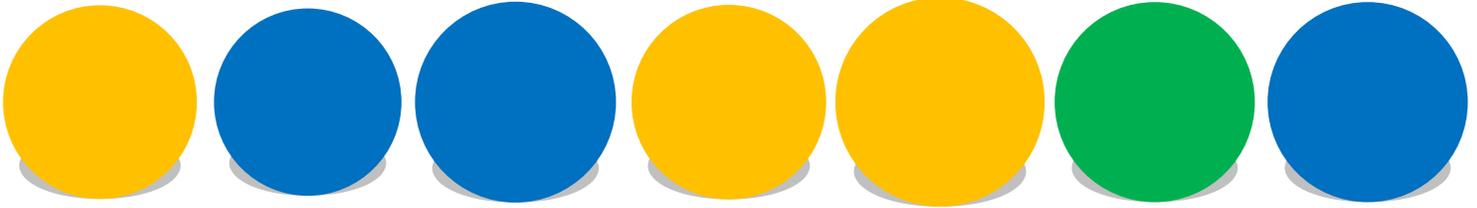Name _____   Score: _____

Probability

The marbles pictured below are orange, blue, and green. They are placed in a bag and one is drawn at random.

1. Which color marble is least likely to be drawn from the bag? _____

2. What is the probability of drawing the orange marble from the bag? _____

3. What is the probability of drawing a green marble? _____

4. What is the probability of the drawing a blue marble? _____

5. What is the probability of drawing a marble that is not orange? _____

6. Would you be more likely to draw a marble that is not green or a marble that is not blue? Explain your answer.

_____

_____
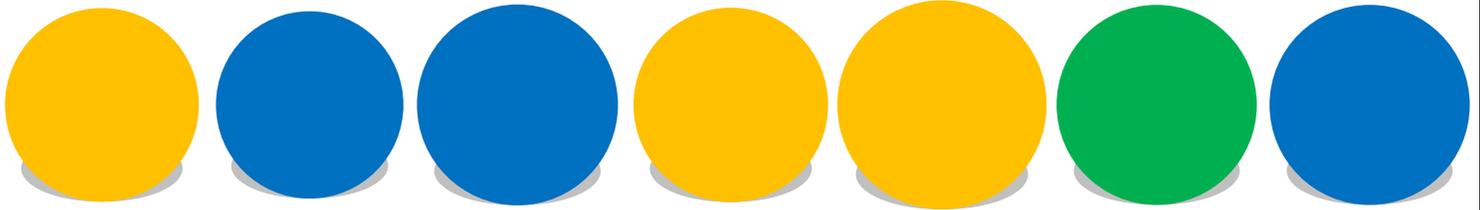
_____

7. If two more green marbles were added to the bag, what would be the probability of drawing a green marble? _____

Probability (A) Answers

The marbles pictured below are orange, blue, and green. They are placed in a bag and one is drawn at random.

1. Which color marble is least likely to be drawn from the bag? **Green**

2. What is the probability of drawing the orange marble from the bag? **3 out of 7**

3. What is the probability of drawing a green marble? **1 out of 7**

4. What is the probability of the drawing a blue marble? **3 out of 7**

5. What is the probability of drawing a marble that is not orange? **4 out of 7**

6. Would you be more likely to draw a marble that is not green or a marble that is not blue? Explain your answer.

You'd be more likely to draw a marble that is not green. There is only one green marble and 6 that are not green. You have a 6 out of 7 chance of drawing a non-green marble. You have a 4 out of 7 chance of drawing a marble that is not blue.

7. If two more green marbles were added to the bag, what would be the probability of drawing a green marble? **3 out of 9**