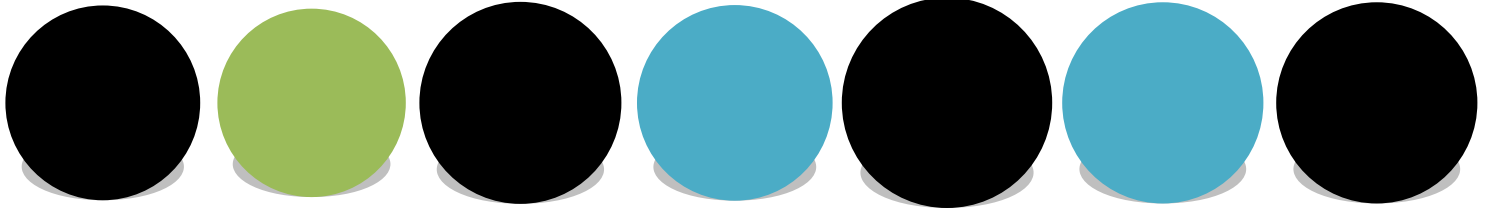Name _____     Score: _____

# Probability

**The marbles pictured below are green, blue, and black. 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 green marble from the bag? _____

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

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

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

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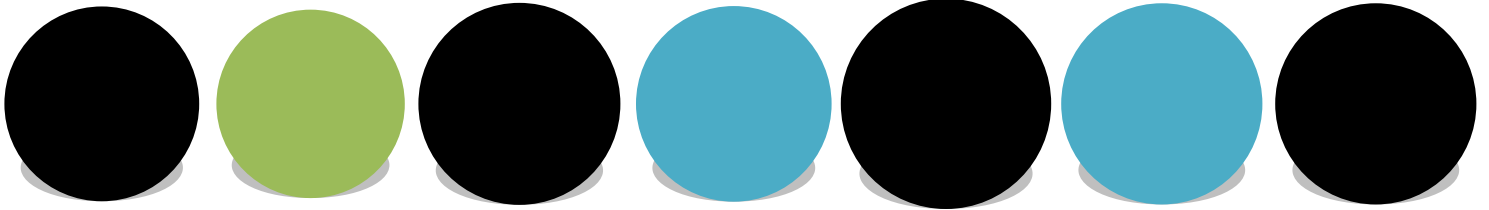
_____

_____

_____

**7.** If three 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 green, blue, and black. 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 green marble from the bag?  **1 out of 7**

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

**4.** What is the probability of the drawing a blue marble? **2 out of 7**

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

**6.** Would you be more likely to draw a marble that is not green or a marble that is not black? 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 3 out of 7 chance of drawing a marble that is not black.**

**7.** If three more green marbles were added to the bag, what would be the probability of drawing a green marble? **4 out of 10**