

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

# Probability

The marbles pictured below are grey, white, and black. They are placed in a bag and one is drawn at random.



1. Which colour marble is least likely to be drawn from the bag? \_\_\_\_\_
2. What is the probability of drawing the black marble from the bag? \_\_\_\_\_
3. What is the probability of drawing a grey marble? \_\_\_\_\_
4. What is the probability of the drawing a white marble? \_\_\_\_\_
5. What is the probability of drawing a marble that is not white? \_\_\_\_\_
6. Would you be more likely to draw a marble that is not black or a marble that is not grey?  
Explain your answer.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
7. If three more black marbles were added to the bag,  
what would be the probability of drawing a black marble? \_\_\_\_\_

# ANSWER KEY

## Probability

The marbles pictured below are grey, white, and black. They are placed in a bag and one is drawn at random.



1. Which colour marble is least likely to be drawn from the bag? **black**
2. What is the probability of drawing the black marble from the bag? **1 out of 7**
3. What is the probability of drawing a grey marble? **4 out of 7**
4. What is the probability of the drawing a white marble? **2 out of 7**
5. What is the probability of drawing a marble that is not white? **5 out of 7**
6. Would you be more likely to draw a marble that is not black or a marble that is not grey? Explain your answer.

**You'd be more likely to draw a marble that is not black. There is only one black marble and 6 that are not black. You have a 3 out of 7 chance of drawing a non-grey marble. marble. You have a 6 out of 7 chance of drawing a marble that is not black.**

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