Name:

Probability

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















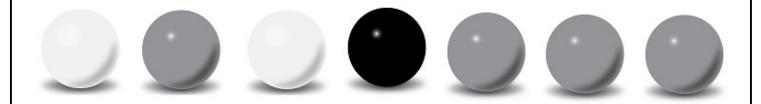
- 1. Which colour marble is least likely to be drawn from the bag? _____
- 2. What is the probability of drawing the black marble from the bag? _____
- 3. What is the probability of drawing a grey marble? ______
- **4.** What is the probability of the drawing a white marble? _____
- 5. What is the probability 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