



**8<sup>th</sup> Grade Bellwork**  
Week 19 – Jan. 28 – Feb. 1  
Probability  
KCA #14 Session ID: TTHJPY5974



1. Jimmy has a spinner with 6 congruent sections. The sections are numbered 1 – 6. If the spinner is spun 300 times, what is a good prediction of the number of times that the spinner will land on either 1 or 2?

- A. 50 times
- B. 75 times
- C. 100 times
- D. 200 times

2. If Sally has 2 black bows, 4 red bows, 1 white bow, and 3 pink bows, what is the theoretical probability of picking a black bow?

- A.  $\frac{1}{4}$  because there are 2 black and 8 not black
- B.  $\frac{1}{5}$  because there are 2 black and 10 total
- C.  $\frac{1}{2}$  because she wants 1 of 2 black
- D.  $\frac{4}{5}$  because there are 8 not black and 10 total

3. Anthony surveyed some of his classmates on their favorite movies and found that 60% of them liked *The Hobbit* best. According to this information, how many students of his whole class of 200 should he predict like *The Hobbit* best?

- A. 36 students
- B. 60 students
- C. 100 students
- D. 120 students

4. Erica's soccer pictures came back. She really liked 3 of the 12 pictures. The photographer will send an extra sheet with the prints she ordered. If the extra sheet contains a random photo of the 12 poses, what is the probability that the sheet will contain one of the pictures she liked?

- A.  $\frac{1}{3}$  because it will be 1 of the 3 she liked
- B.  $\frac{1}{4}$  because it will be 3 of 12 total.
- C. 1 because the photographer will pick one of the best
- D. Not enough information

5. Doug has a standard deck of cards, and he has taken out three kings, three 5's, and four 9's. He chose a card from this smaller set 50 times and put back the card each time. What table of results to the right is the most likely?

A.

Card	5	9	king
Frequency	15	20	15

B.

Card	5	9	king
Frequency	14	14	22

C.

Card	5	9	king
Frequency	5	10	35

D.

Card	5	9	king
Frequency	16	17	17

