

**SAMPLE ITEMS**

1. Mrs. Klein surveyed 240 men and 285 women about their vehicles. Of those surveyed, 155 men and 70 women said they own a red vehicle. If a person is chosen at random from those surveyed, what is the probability of choosing a woman or a person who does NOT own a red vehicle?
- A.  $\frac{14}{57}$
- B.  $\frac{71}{105}$
- C.  $\frac{74}{105}$
- D.  $\frac{88}{105}$

Correct Answer: C

2. Bianca spins two spinners that have four equal sections numbered 1 through 4. If she spins a 4 on at least one spin, what is the probability that the sum of her two spins is an odd number?
- A.  $\frac{1}{4}$
- B.  $\frac{7}{16}$
- C.  $\frac{4}{7}$
- D.  $\frac{11}{16}$

Correct Answer: C

3. Each letter of the alphabet is written on separate cards in red ink. The cards are placed in a container. Each letter of the alphabet is also written on separate cards in black ink. The cards are placed in the same container. What is the probability that a card randomly selected from the container has a letter written in black ink or the letter is A or Z?

A.  $\frac{1}{2}$

B.  $\frac{7}{13}$

C.  $\frac{15}{26}$

D.  $\frac{8}{13}$

**Correct Answer: B**