

# Specialty Crop- Math

## Recording Probability

**Directions:** Choose the best answer. For questions 1-4 suppose you wrote the words SPECIALTY CROP on a strip of paper and cut the paper into pieces with one letter per piece. If you put the pieces into a bag and pulled out one piece without looking, determine the probability of each situation.

1

What is the probability you would draw the letter C?

- A  $\frac{2}{9}$
- B  $\frac{1}{6}$
- C  $\frac{3}{4}$
- D  $\frac{2}{13}$

2

Without returning the letter C to the bag, what is the probability that you would draw the letter P?

- A  $\frac{1}{9}$
- B  $\frac{1}{6}$
- C  $\frac{2}{13}$
- D  $\frac{2}{3}$

3

Without returning the C or P to the bag, what is the probability you would draw a consonant?

- A  $\frac{4}{13}$
- B  $\frac{4}{11}$
- C  $\frac{8}{11}$
- D  $\frac{8}{13}$

4

If you put all of the letters back in the bag, what is the probability of drawing the letter Y?

- A  $\frac{1}{13}$
- B  $\frac{1}{11}$
- C  $\frac{2}{13}$
- D  $\frac{3}{11}$

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**Directions:** Choose the best answer. There are 15 ping pong balls in a bag. Each ball is labeled with a specialty crop grown in Illinois. There are 3 balls labeled peaches, 4 balls labeled onions, 2 balls labeled wheat, 1 ball labeled herb, 3 balls labeled pumpkin, and 2 balls labeled horseradish. Use this information to answer questions 5-8.

5

What is the probability that you will draw a ball labeled onion?

- A  $\frac{11}{15}$
- B  $\frac{1}{5}$
- C  $\frac{4}{15}$
- D  $\frac{1}{6}$

6

Without putting the onion ball back into the bag, what is the probability that you will draw a ball labeled herb?

- A  $\frac{2}{7}$
- B  $\frac{3}{5}$
- C  $\frac{4}{11}$
- D  $\frac{1}{14}$

7

If you put all the balls back in the bag, what is the probability you will draw a ball labeled peach? Your answer should be in decimal form.

- A .23
- B .20
- C .36
- D .21

8

If you do not replace the ball labeled peach, what is the probability you will draw a ball labeled pumpkin? Your answer should be in decimal form.

- A .23
- B .20
- C .36
- D .21