

## Specialty Crop Ag Mag - Vocabulary Using Analogies

**Directions:** An **analogy** is a set of word pairs that have a particular kind of relationship. To solve the analogies below, determine how the first pair is related. Then choose a word from the Word Bank that correctly completes the analogy.

WORD BANK		
beef	eat	paws
bird	flock	sheep
butterfly	mammal	tree
calf	month	yellow
color	neigh	

1. Seed is to tree as egg is to \_\_\_\_\_.
2. Ant is to insect as sheep is to \_\_\_\_\_.
3. Stem is to flower as trunk is to \_\_\_\_\_.
4. Milk is to drink as cake is to \_\_\_\_\_.
5. Carrot is to vegetable as green is to \_\_\_\_\_.
6. Spring is to season as August is to \_\_\_\_\_.
7. Milk is to cow as wool is to \_\_\_\_\_.
8. Horse is to hooves as dog is to \_\_\_\_\_.
9. Turkey is to gobble as horse is to \_\_\_\_\_.
10. Cow is to herd as bird is to \_\_\_\_\_.
11. Sprout is to plant as caterpillar is to \_\_\_\_\_.
12. Grass is to green as corn is to \_\_\_\_\_.
13. Pig is to pork as cow is to \_\_\_\_\_.
14. Sheep is to lamb as cow is to \_\_\_\_\_.

# Specialty Crop Ag Mag - 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  $\frac{3}{11}$

# Specialty Crop Ag Mag - Math

## Recording Probability

**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

# Specialty Crop Ag Mag - Reading Passage

Taken from *Seedfolks* by Paul Fleischman

My father, he always has a smile on his face and a plan moving in his head. We were standing together on the sidewalk while the men were clearing the lot. I looked at my father. His eyes were stuck completely on the garden land being uncovered. He had a two-foot-wide smile on his face.

We walked down and picked out a place to dig up. The ground was packed so hard, the tip of my shovel bounced off it like a pogo stick. We tried three spots till we found one we liked.

It seemed like hours and hours before we had the ground finished. We rested a while. Then my father asked if I was ready. I thought he meant ready to plant our seeds. But instead, we turned another square of ground. Then another after that. My father hadn't been smiling to himself about some little garden. He was thinking of a farm, to make money. I'd seen a package of seeds for pole beans and hoped that's what we'd grow. They get so tall the that the man in the picture was picking 'em way at the top of a ladder. But my father said no. He was always asking people in his cab about how to get rich. One of 'em told him that fancy restaurants paid lot of money for this baby lettuce, smaller than the regular kind. The fresher it was, the higher the price. My father planned to pick it and then race it right over to the restaurants in his cab.

Lettuce seeds are smaller than sand. The lettuce was like having a new baby in the family. And I was like its mother. I watered it in the morning if my father was still out driving. It was supposed to come up in seven days, but it didn't. My father couldn't figure out why. Neither of us knew anything about plants. I didn't get what had happened, till the lettuce finally came up in wavy lines and bunches instead of straight rows. I'd washed the seeds out of their places.

The minute it came up, it started to wilt. It was like a baby always crying for its milk. I got sick of hauling bottles of water. Then the heat came. The leaves shriveled up. Some turned yellow. The lettuce was dying. My father practically cried, looking at it. Then the bugs started eating big holes in the plants. I couldn't see anyone buying them from us. Eventually, one of the people who rode in my father's taxi told him that spring or fall was the time to grow lettuce, that summer was too hot for it. My father wasn't smiling when he told us. I was used to seeing kids making mistakes, but not grown-ups. I was mad at my father. Then I sort of felt sorry for him.

## Specialty Crops Ag Mag - Reading Passage

**Directions:** Read each question and choose the best answer.

1

Who is the narrator of this story?

- A The gardener
- B The father
- C The son
- D The taxi driver

2

The narrator compares the lettuce to \_\_\_\_\_.

- A Driving a cab.
- B Taking a test in school.
- C Having a new baby in the family.
- D Working at a grocery store.

3

What crop does the narrator hope they will plant in their garden?

- A Lettuce
- B Pole beans
- C Carrots
- D Flowers

4

Why are the lettuce plants wilting?

- A They didn't get enough water.
- B They were stepped on.
- C The bugs started eating them.
- D It is too hot for them to grow.

## Specialty Crops Ag Mag - Reading Passage

**Directions:** Read each question and choose the best answer.

5

Why didn't the lettuce come up in 7 days?

- A It was too hot.
- B It got over watered.
- C It was too cold.
- D It got eaten by rabbits.

6

What is the setting of this story?

- A A community garden
- B A park
- C A school
- D A restaurant

7

Why does the narrator feel sorry for his father?

- A His father lost his job.
- B His father got in a car accident.
- C He'd never seen his father so disappointed.
- D He failed his driving test.



### Extended Response—SPECIALTY CROPS

“Illinois...Where Fresh Is!” is a program that encourages consumers to buy local and buy fresh. What does this mean? Why is it important to buy local and buy fresh? Have you ever been to a farm stand and bought fresh products?