

Horticulture Ag Mag - Vocabulary - Matching

Directions: Match the word with the correct definition.

- | | |
|------------------------------|--|
| _____ 1. Horticulture | A. Creates designs for landscapes in public spaces |
| _____ 2. Pomology | B. Involves the cultivation of flowering and herbaceous plants |
| _____ 3. Olericulture | C. Purchasing and decorating with a variety of plants |
| _____ 4. Viticulture | D. A branch of botany that involves the study and cultivation of fruits. |
| _____ 5. Arboriculture | E. Cares for lawns |
| _____ 6. Floriculture | F. The selection, planting, care, and removal of trees, shrubs, vines, and other perennial plants |
| _____ 7. Propagate | G. To cause to multiply by any process of natural reproduction from the parent stock |
| _____ 8. Landscape Architect | H. Refers to the cultivation of grapes |
| _____ 9. Turf Scientist | I. Deals with the production, storage, processing, and marketing of vegetables |
| _____ 10. Interiorscaping | J. The science of growing fruits, vegetables, flowers, or ornamental plants |

Horticulture Ag Mag - Math - Range, Mean, Median

Directions: Choose the best answer. The **range** of a set of data is the difference between the greatest value and lowest value of the set. The **mode** is the value that occurs most often. The **median** is the number in the middle when the numbers are put in order.

1

What is the median of the following data: 25, 15, 20, 35, 30

- A 20
- B 30
- C 25
- D 15

2

Garden plants cost \$0.99, \$1.29, \$0.99, \$1.59, \$2.29, and \$1.19. What is the mode of these prices?

- A \$1.29
- B \$0.99
- C \$1.59
- D \$1.19

3

For an Arbor Day celebration, Kelly purchased an oak tree seedling for \$2.49, an ash tree seedling for \$3.69, an elm tree seedling for \$3.09, and a maple tree seedling for \$2.09. What is the range of these prices?

- A \$2.09
- B \$3.69
- C \$5.67
- D \$1.60

4

What is the mode of the following data: 16, 23, 14, 7, 14, 11, 13

- A 14
- B 16
- C 23
- D 7

Horticulture Ag Mag - Math - Range, Mean, Median

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5

What is the range of the following data? 129, 216, 343, 914, 621

- A 343
- B 785
- C 429
- D 519

6

What is the median of the following data? 23, 16, 49, 48, 16, 53, 74

- A 23
- B 16
- C 48
- D 58

7

If Donna buys 10 plants total, 3 plants at \$2.25, 3 plants at \$2.50, and 4 plants at \$3.00, what is the mode of the cost of the plants she bought?

- A \$2.25
- B \$2.50
- C \$3.00
- D There is no mode

8

What is the range of the plants that Donna bought in question number 7?

- A \$0.75
- B \$3.00
- C \$5.25
- D \$5.50

Horticulture Ag Mag - Reading Passage

Fun with Plants

From *Science is Fun*

Plants grow in almost every part of the world—mountaintops, oceans, deserts, and polar regions. Plants have amazing abilities to adapt to many different environments, much as insects have done. Without plants, there would be no life on Earth. They provide the air we breathe and the food humans and other animals eat. Plants also supply us with many useful products such as lumber and cotton fibers.

Scientists believe there are more than 350,000 species of plants. Their size varies from barely visible plants that grow on the forest floor to the largest living life forms on Earth, giant sequoia trees of California. Some are more than 290 feet high and over 30 feet wide. Plants are also the oldest living things on Earth. One bristlecone pine tree in California started growing 4,000 to 5,000 years ago.

Plants develop from a tiny form called an embryo, which is usually contained within a seed. Seeds vary in size. The largest seed is the coconut, which may weigh up to 20 pounds. The seed provides food for the embryo plant until it can push its leaves above ground and begin to manufacture its own food. This is done from air, sunlight, and water by a process known as *photosynthesis*. Roots bring nourishment to the plant by absorbing dissolved minerals from the soil and water. The stages of a sprouting seed are called *germination*. Seeds require warmth, moisture, and oxygen to grow.

1

Scientists believe there are _____ species of plants.

- A 350,000.
- B 2,500
- C 4,000
- D 290

2

The largest seed is the _____.

- A Apple
- B Coconut
- C Strawberry
- D None of the above

Horticulture Ag Mag - Reading Passage

Directions: Read each questions and choose the best answer.

3

The largest living life form on Earth is what type of plant?

- A Maple Tree
- B Giant Sequoia Tree
- C Oak Tree
- D Pine Tree

4

Seeds require all of the following to germinate except

- A Sunlight
- B Warmth
- C Moisture
- D Oxygen

5

Plants are the oldest living things on earth.

- A True.
- B False

6

_____ provide the air we breathe and the food humans and other animals eat.

- A Cows
- B Factories
- C Cars
- D Plants

Horticulture Ag Mag - Reading Passage

Directions: Read each question and choose the best answer.

7

Germination shows the stages of _____.

- A A germ infecting its host
- B A plant dying
- C A sprouting seed
- D A cat chasing a mouse

8

The function of the root of the plant is _____.

- A To provide the plant with flowers
- B To determine the type of plant
- C To provide the plant with seeds
- D To bring nourishment to the plant

Extended Response

What does the term "Going Green" mean to you? How does it impact you and your future? Be sure to include your own thoughts and experiences along with information from the Horticulture Ag Mag.