

Grade 4 Language
Pumpkin

Student Name: _____

Class: _____

Date: _____

Instructions: **Read each question carefully. Write the word from the word bank that best completes each sentence.**

Word Bank

Cross-Pollination	Pollination
Genetic traits	Stamens
Pistil	Stigma
Pollen	Varieties

1. When a grain of pollen from a male flower lands on the stigma of a female flower, this process is called _____.
2. The _____ is in the center of the flower.
3. The parts of the flower around the pistil are called the _____.
4. _____ is the transfer of pollen from one plant to another plant with a different genetic makeup.
5. Stamens make yellow powder called _____.
6. _____ are the differences present when one species has a different look, size, taste, and even a different number of seeds.
7. Different types of the same plant are called _____.
8. The _____ is the sticky part at the top of the pistil.

Grade 4 Writing
Pumpkin

Student Name: _____

Class: _____

Date: _____

Instructions: **Read the question carefully and write your answer below.**

Extended Response

Early American settlers began the tradition of making pumpkin pie. Explain other traditions we celebrate in today's society. Be sure to include your own experiences in your explanation.

Grade 4 Science
Pumpkin

Student Name: _____

Class: _____

Date: _____

Instructions: **Read the questions carefully and circle the correct answer.**

1. Which blooms first?
 - A. male flowers of a pumpkin plant
 - B. female flowers of a pumpkin plant
 - C. the pistil
 - D. the stamen

2. Which of the following is listed in the correct order?
 - A. seed, blossom, harvest
 - B. seed, blossom, pollination
 - C. pollination, harvest, vine
 - D. blossom, pollination, vine

3. Which statement is ***not*** true about pumpkins?
 - A. Pumpkins are low in calories.
 - B. Pumpkins are related to gourds.
 - C. Pumpkins are high in fiber.
 - D. Pumpkins are in the corn family.

4. Fill in the blank.

Pumpkins carried to Europe by Columbus were first used for _____.

- A. human consumption
- B. Halloween decorations
- C. animal feed
- D. haircut templates

5. Fill in the blank.

The long flexible stem of a pumpkin is called a/an _____.

- A. vine
- B. tendril
- C. blossom
- D. angiosperm

6. Fill in the blank.

A slender coiling part of a plant that assists in climbing or winding around an object is a _____.

- A. vine
- B. tendril
- C. flower
- D. root

7. Fill in the blank.

Pumpkins are 90% water. In many pumpkin growing areas, _____ is used to automatically water the plants.

- A. hygienist
- B. pathology
- C. entomology
- D. irrigation

8. Fill in the blank.

Tiny egg cells at the base of the pistil in a female pumpkin blossom are called _____.

- A. ovules
- B. stamen
- C. pollen
- D. pistil

Grade 4 Social Studies
Pumpkin

Student Name: _____

Class: _____

Date: _____

Instructions: **Read the questions carefully and circle the correct answer.**

1. From 2007 to 2011, what happened to the number of acres of pumpkins harvested?
 - A. increased steadily
 - B. increased overall
 - C. decreased steadily
 - D. decreased overall

2. There is a difference between number of acres of pumpkins harvested and number of acres of pumpkins planted. Which of the following is ***not*** a potential reason for the difference?
 - A. weather
 - B. insects
 - C. candy
 - D. shoppers' opinions

3. Which of the following is a part of the "Three Sisters" tradition?
 - A. apples
 - B. watermelon
 - C. corn
 - D. soybeans

4. Who introduced pumpkins to the Pilgrims?
 - A. Columbus
 - B. Native Americans
 - C. Pathologists
 - D. La Estrella

5. Pumpkins are **not** used for which of the following medicinal purposes?
- A. diabetes
 - B. inflammation
 - C. hunger
 - D. dandruff
6. Which of the following areas does **not** contain top pumpkin producing states?
- A. The West
 - B. The Gulf Coast
 - C. The Midwest
 - D. The Great Lakes
7. Fill in the blank.
- While pumpkins are native to Central America, they now grow on all continents except _____.
- A. Antarctica
 - B. Asia
 - C. Europe
 - D. North America
8. Fill in the blank.
- Pumpkins are native to the _____.
- A. Western Hemisphere
 - B. Northern Hemisphere
 - C. Eastern Hemisphere
 - D. Southern Hemisphere

Grade 4 Math
Pumpkin

Student Name: _____

Class: _____

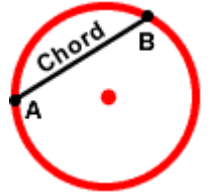
Date: _____

Instructions: **Read the questions carefully and circle the correct answer.**

A **circle** is a closed two-dimensional figure. All of the points on a circle are the same distance from the center point of the circle. There are different ways to talk about parts of a circle in geometry.



A **chord** is a line segment that connects two points on a circle.



The **radius** of a circle is a line segment from the center point of the circle to any other point in the circle.



The **diameter** of a circle is a chord that goes through the center of the circle. The diameter of a circle is twice the length of the radius.



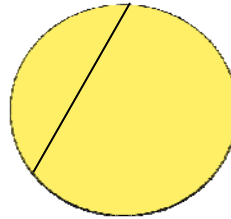
1. A pumpkin has a diameter of 12 inches. What is the radius of the circle?
 - A. 1 inch
 - B. 2 inches
 - C. 6 inches
 - D. 24 inches

2. The radius of the circle is 3 cm. What is the diameter of the circle?

- A. 1 cm
- B. 6 cm
- C. 9 cm
- D. 18 cm

3. Identify the part of the circle shown.

- A. circle
- B. chord
- C. radius
- D. diameter



4. Fill in the blank.

The _____ of a circle is a line segment from the center point of the circle to any other point on the circle.

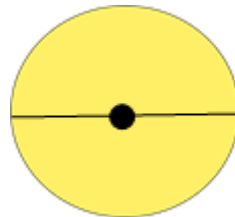
- A. diameter
- B. chord
- C. radius
- D. segment

5. The largest pumpkin pie ever made was 5 feet in diameter. What was the radius of the pie? (Remember there are 12 inches in 1 foot.)

- A. 10 feet
- B. 20 inches
- C. 6 feet
- D. 30 inches

6. Identify the part of the circle shown.

- A. radius
- B. sector
- C. diameter
- D. chord



Answer Key:

Language

1. pollination
2. pistil
3. stamens
4. Cross-Pollination
5. pollen
6. Genetic traits
7. varieties
8. stigma

Science

1. A. male flowers of a pumpkin plant
2. B. seed, blossom, pollination
3. D. Pumpkins are in the corn family.
4. C. animal feed
5. A. vine
6. B. tendril
7. D. irrigation
8. A. ovules

Social Studies

1. B. increased overall
2. C. candy
3. C. corn
4. B. Native Americans
5. D. dandruff
6. B. The Gulf Coast
7. A. Antarctica
8. A. Western Hemisphere

Math

1. C. 6 inches
2. B. 6 cm
3. B. chords
4. C. radius
5. D. 30 inches
6. C. diameter