Grade 4 Language Apple

Stude	nt Nar	ne:
Class:	:	
Date:		
Instru	ictions	Read each question carefully. Circle the answer that most closely represents the underlined word in each sentence.
1.	As ap	oples ripen, the amount of starch decreases and is converted to sugar.
	A.	develops
	B.	grows
	C.	lessens
	D.	raises
2.	Appl	es are <u>ripe</u> when most of the starch becomes sugar.
	A.	immature
	В.	aged
	C.	undeveloped
	D.	raw
3.	The a	apples left on the tree can grow bigger because there is less <u>competition</u> for nutrients.
	A.	cooperation
	В.	assistance
	C.	excitement
	D.	struggle
4.		trees created by grafting or budding live in a <u>protected</u> nursery for about twelve hs before they are replanted in an orchard.
	A.	guarded
	В.	insecure
	C.	unsheltered
	D.	vulnerable

	В.	increase	
	C.	stoppage	
	D.	bleeding	
6.	Each variety of apples requires <u>different</u> conditions; computers help keep the specified conditions constant.		
	A. B. C. D.	consistent changeable stable unchanging	
7.	Since every apple seed is made from its own <u>unique</u> set of genetic material, you can plant 10 seeds from a single apple and get 10 entirely different kinds of apples.		
	A. B.	normal common	
	C. D.	usual individual	
8.	The GoldRush is a great apple to grow because it has qualities that make it resistant to common diseases.		
	A.	everyday	
	В.	rare	
	C.	unusual	
	D.	noteworthy	

The soluble fiber in apples works to regulate blood sugar and prevent its sudden

5.

fluctuation.

movement

A.

Grade 4 Writing Apple

Student Name:	
Class:	
Date:	
Instructions:	Read the question carefully and write your answer below.

Extended Response

An entomologist studies insects and their relationship to the environment, humans and other organisms. Explain what role insects play in apple development. Remember, insects can be harmful or beneficial to both the apple and the apple tree. Use your own knowledge along with other available sources to explain your answer.

Grade 4 Science Apple

Stude	nt Nam	ne:
Class:		
Date:		
Instru	ctions:	Read each question carefully and circle the correct answer.
1.	What	is another word for seed pockets?
	A. B. C. D.	variety strength seed carpel
2.	This d tree.	escribes the term for inserting a section of a stem with leaf buds into the stock of a
	A. B. C. D.	grafting calyx pollination budding
3.	Fill in	the blank.
	The st	udy of fruit and fruit growing is known as
	A. B. C. D.	embryology fruitology pomology arborology
4.	As an follow	apple ripens, the amount of starch decreases and is converted into which of the ring?
	A. B. C. D.	juice sauce spice sugar

6.	Which of the following describes why fresh apples float?		
	A.	Fresh apples have sugar, which is lighter than water.	
	B.	An apple is 25% air.	
	C.	Grafting has assisted in making apples float.	
	D.	Johnny Appleseed planted them to float.	
7.	Apples are a member of which family of plants?		
	A.	rose	
	В.	pear	
	C.	coconut	
	D.	strawberry	
8.	A. B. C. D.	the juice of a fruit that attracts insects and birds that pollinates flowers. pollen petals high fructose corn syrup nectar	

Which of the following would make an apple sweeter?

5.

A.

B.

C. D. less starch

more starch

heavy starch high carbohydrates

Grade 4 Social Studies Apple

Student Name:		e:		
Class:				
Date:				
Instru	ctions:	Read each question carefully and circle the correct answer.		
1.		two countries in the Western Hemisphere make up almost half of the United States export market?		
	A. B. C. D.	Mexico and Canada Mexico and Cuba Australia and Canada Oregon and Mexico		
2.	Name the world's largest apple producing country.			
	A. B. C. D.	Japan United States China India		
3.	Select	the answer that completes the following historical sequence.		
	Apple	parer invented, McIntosh apple discovered,		
	A. B. C. D.	Pippin exports apples to London Apple Nursery opened in Flushing, New York Granny Smith apples discovered Pilgrims planted apples		
4.	From 2006 to 2010, how many of the top 15 apple producing countries saw a decrease in apple production?			
	A. B. C. D.	one seven nine all of them		

	A. B.	Washington and New York Ohio and Indiana			
	C.	Ohio and Washington			
	D.	Indiana and Iowa			
6.	Name	Name the continent on which the Granny Smith apple was discovered.			
	A.	North America			
	В.	South America			
	C.	Asia			
	D.	Australia			
7.	Which top apple producing state is located farthest north?				
	A.	Washington			
	В.	Michigan			
	C.	Ohio			
	D.	California			
8.	Which	top apple producing state is located farthest south?			
	A.	Washington			
	В.	Michigan			
	C.	Ohio			
	D.	California			

In which two states did John Chapman, also known as Johnny Appleseed, start orchards?

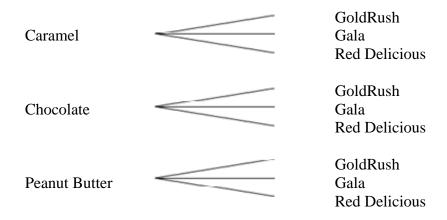
5.

Grade 4 Math Apple

Stude	nt Nam	e:
Class:		
Date:		
Instru	ctions:	Read each question carefully and circle the correct answer.
1.	Use th	e following graph to answer the question.
	Which	fraction shows how many of the apples are whole?
	A. B. C. D.	2/3 3/5 1/6 3/10
2.		ve nine apples, and I eat three apples, and give two apples to my friend, Kim, how apples do I have left?
	A. B. C. D.	4 5 6 7
3.		llected 12,840 apples from 3 orchards. The same number of apples were taken ach orchard. How many apples were taken from each orchard?
	A. B. C. D.	4,280 9,312 6,420 2,364

- 4. I picked 20 apples, while at Mr. Rush's farm, to take home and bake in a pie. If I used 50% of the apples I picked in my pie, how many apples did I use?
 - **A.** 10
 - **B.** 8
 - **C.** 12
 - **D.** 6
- 5. Use the following information to answer the next two questions.

Jackie has a GoldRush apple, a Gala apple, and a Red Delicious apple. She has caramel, chocolate and peanut butter to use as toppings for her apples.



How many possible choices does Jackie have to choose from?

- **A.** 12
- **B.** 9
- **C.** 3
- **D.** 6
- 6. If Jackie decides she doesn't want a Red Delicious apple, how many choices does she have?
 - **A.** 12
 - **B.** 9
 - **C.** 3
 - **D.** 6

Answer Key:

Language

- 1. C. lessens
- 2. B. aged
- 3. D. struggle
- 4. A. guarded
- 5. A. movement
- 6. B. changeable
- 7. D. individual
- 8. A. everyday

Science

- 1. D. carpel
- 2. A. grafting
- 3. C. pomology
- 4. D. sugar
- 5. A. less starch
- 6. B. An apple is 25% air.
- 7. A. rose
- 8. D. nectar

Social Studies

- 1. A. Mexico and Canada
- 2. C. China
- 3. C. Granny Smith apples discovered
- 4. C. nine
- 5. B. Ohio and Indiana
- 6. D. Australia
- 7. A. Washington
- 8. D. California

Math

- 1. D. 3/10
- 2. A. 4
- 3. A. 4,280
- 4. A. 10
- 5. B. 9
- 6. D. 6