

# 5<sup>th</sup> Grade



## *Packet*

**Icahn Charter School 5  
Ms. Brennan and Mr. Castaneda  
Due: Monday, April 29, 2019**

**Name:** \_\_\_\_\_

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**Name** \_\_\_\_\_

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## Grade 5 Mathematics Reference Sheet

### CONVERSIONS

1 mile = 5,280 feet

1 mile = 1,760 yards

1 pound = 16 ounces

1 ton = 2,000 pounds

1 cup = 8 fluid ounces

1 pint = 2 cups

1 quart = 2 pints

1 gallon = 4 quarts

1 liter = 1,000 cubic centimeters

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### FORMULAS

Right Rectangular Prism

$V = Bh$  or  $V = lwh$

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**51**

The dimensions of Mr. Tai's living room are 10 feet  $\times$  18 feet  $\times$  8 feet, and the dimensions of his family room are 14 feet  $\times$  20 feet  $\times$  8 feet. What is the total volume, in cubic feet, of the two rooms?

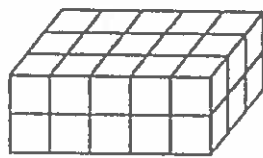
*Show your work.*

*Answer* \_\_\_\_\_ cubic feet

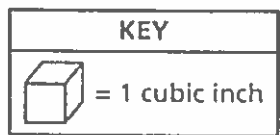
**GO ON**



3 Prism A is shown below. The height of Prism B is 2 times the height of Prism A. The length and width of both prisms are the same.



Prism A



What is the volume, in cubic inches, of Prism B?

- A 20
- B 44
- C 45
- D 60

9 The table below lists the number of layers of centimeter cubes, along with the number of cubes in each layer, in each of four rectangular prisms.

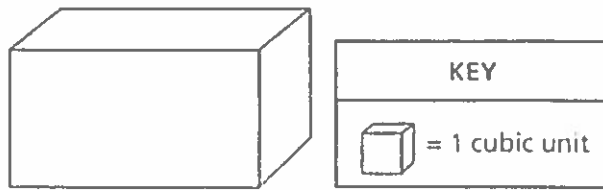
**LAYERS OF CUBES IN RECTANGULAR PRISMS**

Prism	Number of Layers	Number of Cubes in Each Layer
R	3	8
S	5	5
T	6	5
U	7	4

Which rectangular prism has the greatest volume?

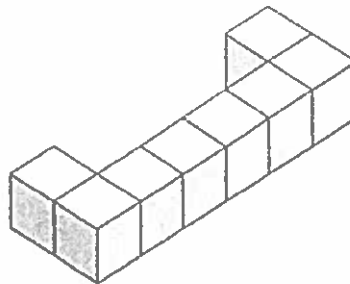
- A Prism R
- B Prism S
- C Prism T
- D Prism U

- 17 Tyler completely filled the box shown below with unit cubes, with no gaps or overlaps.



He then counted the number of cubes that he used to fill the box. What type of measurement is represented by the number of cubes Tyler counted?

- A area
  - B height
  - C volume
  - D perimeter
- 23 The figure below is made of unit cubes.



How many unit cubes need to be added to the figure so that it will have a total volume of 12 cubic units?

- A 1
- B 2
- C 4
- D 8



- 46** Harry's fitness trainer recommends that Harry drink 8 fluid ounces of water 8 times a day. Harry has a water bottle that holds  $1\frac{1}{4}$  pints of water when filled. Today, he has filled the water bottle three times and drank all of the water each time. Harry claims that he drank the total amount of water recommended by his fitness trainer. Explain why Harry's claim is not true.

*Answer*

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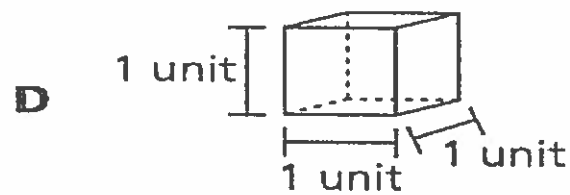
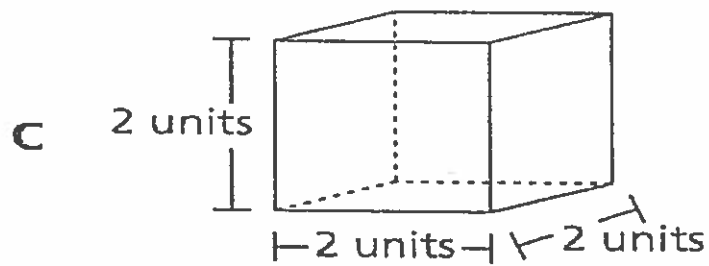
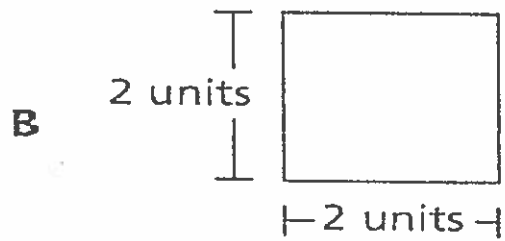
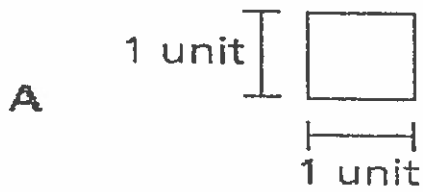
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**GO ON**



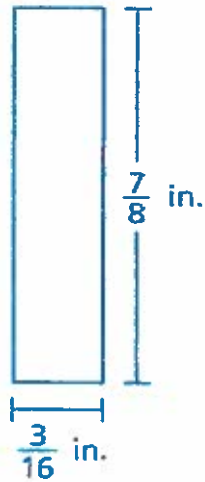
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Which diagram represents a volume of one cubic unit?



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What is the area, in square inches, of a rectangle with the dimensions shown in the diagram below?



- A  $\frac{21}{128}$
- B  $\frac{3}{14}$
- C  $\frac{10}{24}$
- D  $\frac{24}{112}$

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19

Barbara filled a box with layers of unit cubes. The box had a volume of 125 cubic units. Which sentence about the box must be true?

- A There were 125 unit cubes in the bottom layer.
- B The box was filled with exactly 125 unit cubes.
- C There were 125 unit cubes in each layer.
- D The box was filled with less than 125 unit cubes.

**48**

Sixteen students in a drama club want to attend a play. The ticket price is \$35 for each student, and the transportation and meals for everyone will cost \$960.

To pay for the trip, the students design sweatshirts to sell for a profit of \$19 per sweatshirt. If each student sells the same number of sweatshirts, how many sweatshirts must each student sell so that there will be enough money to pay for the entire cost of the trip?

*Show your work.*

*Answer* \_\_\_\_\_ sweatshirts

**GO ON**



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Which decimal is equivalent to  $\frac{41}{100}$ ?

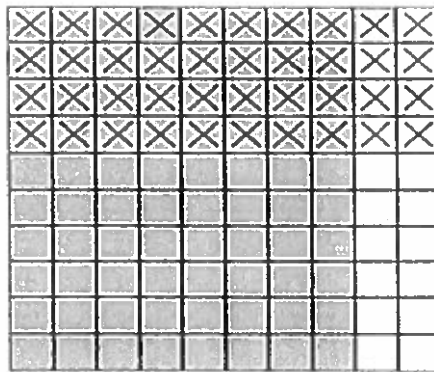
- A 41.0
- B 4.10
- C 0.41
- D 0.041

6 What number is equivalent to the expanded form shown below?

$$(2 \times 100) + (3 \times 1) + \left(4 \times \frac{1}{10}\right) + \left(3 \times \frac{1}{1,000}\right)$$

- A 203.043
- B 203.403
- C 230.430
- D 230.403

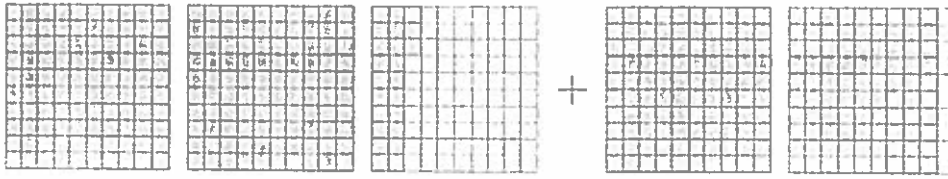
12 The decimal grid shown below is shaded and marked with Xs to model an expression.



Which expression could be modeled by this decimal grid?

- A  $0.08 \times 0.04$
- B  $0.08 \times 0.40$
- C  $0.80 \times 0.04$
- D  $0.80 \times 0.40$

15 The decimal grids below are shaded to model an expression.



What is the value of the expression modeled by the decimal grids?

- A 3.29
  - B 3.32
  - C 4.10
  - D 4.13
- 22 What is the value of 0.1561 rounded to the nearest tenth?

- A 0.15
- B 0.16
- C 0.1
- D 0.2

26 Point K is shown on the number line below.



Which number sentence best describes the value represented by point K?

- A  $K > 0.13$
- B  $K < 0.13$
- C  $K = 0.15$
- D  $K = 0.35$



**49** Jessie set up a lemonade stand for three days.

- On Saturday, she sold  $10\frac{2}{3}$  gallons of lemonade.
- On Sunday, she sold  $3\frac{1}{3}$  gallons more than she sold on Saturday.
- On Monday, she sold  $2\frac{2}{3}$  gallons less than she sold on Sunday.

How many gallons of lemonade did Jessie sell on Monday?

*Show your work.*

*Answer* \_\_\_\_\_ gallons

**GO ON**



Name

S.S. HW-Takehome assignment

Due 4/29/19

## WILD, WILD WEST CAREERS: FRONTIERSMEN Davy Crockett and the Alamo

### The Frontier, Frontiersmen and Pioneers

In the early part of the 1800s, land west of the Mississippi River was complete wilderness. This land consisted of rivers, mountains, forests and prairies and was occupied by Native Americans and wild animals.

The frontier was the name given to the wild and unfamiliar land that lay west of civilized America. A frontiersman was a man who hunted, trapped, and traded on the frontier. Many lived isolated lives, traversing the land, following rivers, and climbing mountains in search of beavers, raccoons, and bears - any animal whose fur could be sold.

A frontiersman was a bit like an explorer. He traveled through unknown and unfamiliar lands that were harsh and untamed. He often discovered routes that others would eventually take west. A frontiersman might even start up a settlement and pave the way for pioneers who would follow in his footsteps.



What is the difference between a Frontiersman and a Pioneer?

The pioneers were the men, women and children that headed west in search of a new life. The pioneers would be the first to settle the land: clearing trees, stumps and rocks; building homes; and planting crops. Towns and roads would follow.

Of course, it was possible for a person to be both a frontiersman and a pioneer and sometimes these two words are used interchangeably!

Frontiersmen and pioneers all experienced the harsh realities of living on the frontier: assaults by Native Americans, unpredictable weather, isolation, attacks from wild animals, difficulty in finding food and other hardships.

1) Which of the following statements would a frontiersmen MOST agree with?

- a) They would want to live in the city and work in a factory.
- b) The wild world will be a great place to live and explore.
- c) I want to head west with my family to make a new life.
- d) The earth is meant to be settled and farmed.

2) What could be another word or phrase for frontier?

- a) Cities and towns.
- b) An area that is well mapped.
- c) An unknown place.
- d) Somewhere that is fought over by two groups.

3) In your own words, what is the main difference between a Frontiersmen and a Pioneer (RATE)?

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4) What is the main purpose of this passage?

- a) To inform the reader about the unknown land of the American west.
- b) To explain the importance of why we should know what a Frontiersmen is.
- c) To demonstrate why Pioneers moved west.
- d) To introduce and explain what frontiersmen and pioneers are.

5) Which difficulty do you think would be the most harsh for frontiersmen and pioneers, and why?

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## Davy Crockett - Early Life

There were many Frontiersmen in the early 1800s - most of them never made names for themselves but a few did and became well known. One frontiersman who became a legend was Davy Crockett.

Davy Crockett was born on August 17, 1786, in a log cabin in Tennessee. At the time of his birth, the United States was a new country. Like most children during that time, Davy did not have a formal education. He went to school for a few days, but after a fight with another student, he never returned. Afraid of being punished by his dad for the fight, Davy ran away from home and did not return for more than two years! During that time he worked odd jobs for money, food and lodging. He farmed, drove cattle and became skilled at hunting and trapping.

When he returned home his family was so happy to see him that he was not punished. He began working for a neighbor to help his father pay off a debt.



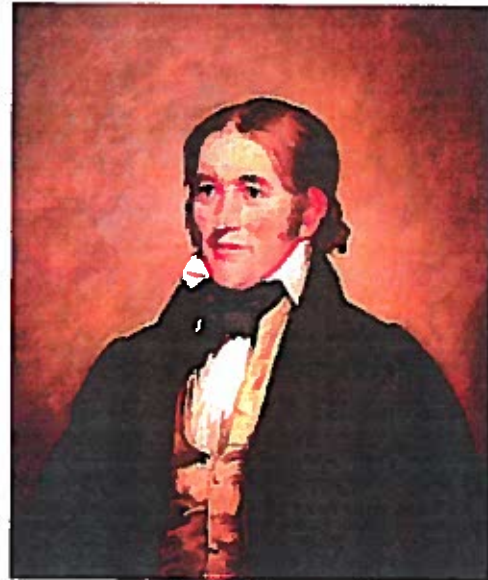
Davy was married when he was 19 years old. His wife, Polly, died shortly after giving birth to their third child. Davy remarried and he and his second wife, Elizabeth, had three more children.

During Davy's lifetime, the United States Government was at war with various Native American Tribes. It is important to know that individuals and officials of the time considered a number of tribes to be friendly. Several tribes even fought alongside the United States against other tribes. Davy Crockett was one such man who worked with many Native Americans but who also fought against many.

## Davy Crockett: Congressman and Revolutionary

Davy joined the army after a series of Indian attacks at Fort Mims where settlers were massacred by a tribe known as Red Sticks. Fort Mims marked the beginning of a war between the United States Government and many Native American tribes including the Red Sticks.

When Davy returned home from battle, he became a justice of the peace – his first real government job. People who knew Davy encouraged him to run for the Tennessee legislature – he was honest, likeable and had integrity. He won two terms and then decided to run for congress. He won a total of three congressional terms, defeating opponents who were more educated and experienced in government issues.



Davy Crockett

In his autobiography, Davy admitted that when he first ran for the legislature he was asked a question about the judiciary. He carefully answered the question in such a way that it was not apparent that he did not know the meaning of the word “judiciary!” It is clear from his autobiography that Davy Crockett and his supporters believed he could one day be president.

He lost his final bid for Congress in 1835 when he disagreed with President Jackson’s Indian Removal Act. He decided to move to Texas to help with the revolution.

Davy Crockett was known for his skills as a bear hunter. He had hunted since he was a boy and was a very good shot. Bears were abundant in the wilderness and Davy was very accurate in predicting their behaviors. It is said he hunted and killed 105 bears in one season!

1) What is the purpose of the first passage?

- a) To tell you about the conflicts between the U.S. and Native Americans.
- b) The early life of Davy Crockett.
- c) To introduce the reader to the frontier.
- d) An explanation of why he ran away from home.

2) Where in the text does the author show evidence to support the claim that Davy and people thought he could run for President?

- a) "Davy Crockett was known for his skills as a bear hunter."
- b) "Davy joined the army after a series of Indian attacks at Fort Mims."
- c) "He was honest, likeable, and had integrity."
- d) "He carefully answered the question in such a way that it was not apparent that he did not know the meaning."

3) Why did the author write about his bear hunting?

- a) Demonstrates how effective he was as a Congressman.
- b) Tells us about the dark side of Davy.
- c) Gives us additional information about what he is known for.
- d) Explains how harsh it was to be a frontiersmen.

4) According to the passage, why is Davy Crockett also considered a frontiersmen (RATE)?

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5) Why does the author include "It is important to know that individuals and officials of the time considered a number of tribes to be friendly?"

- a) Shows that all Natives were united against the United States.
- b) Demonstrates an understanding about how complicated relations were between the U.S. and Natives.
- c) Teaches us how harsh the conflict was between the U.S. and Natives.
- d) Explains the importance of early life on the frontier.

## Texas Independence from Mexico

In the early 1820s, Mexico gained its independence from Spain. At that time, Texas was sparsely populated and was a part of Mexico. Americans from other states who wanted to settle in Texas were required to follow three rules:

1. They must be loyal to the Mexican Government
2. They must learn to speak Spanish
3. They must convert to Catholicism

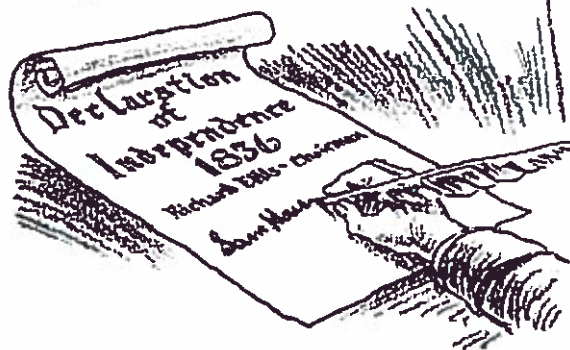
Antonio Lopez de Santa Anna, the President of Mexico, never treated the residents of Texas very well, but over time the Texans lost many rights and treatment by the government became cruel.

Americans lived in Texas with **Tejanos**, Mexicans whose families had lived in Texas for generations. It might surprise some people to learn that many Tejanos fought on the side of the American settlers against the Mexican government.

Tensions continued to increase and on **March 2, 1836**, a group of representatives (called **delegates**) wrote the Declaration of Independence, declaring Texas free and separate from Mexico. Each settlement in Texas sent at least one elected delegate to Washington-on-the-Brazos to vote on whether to declare independence. There were fifty representatives in all, including a politician named **Sam Houston** who led the Texas Army. All delegates were in agreement. The Declaration explained the reasons for wanting independence from Mexico and included a list of 13 grievances. A grievance is a complaint or an objection.

### FOUNDING OF THE REPUBLIC

At Washington-on-the-Brazos, on March 2, 1836, duly-elected delegates met to declare the independence of Texas from the Republic of Mexico.





1 ) What is the author's purpose on including the three rules for Americans wanting to settle in Mexico?

- a) Explain what Americans needed to do in order to live there.
- b) Draw a connection to the American Revolution.
- c) Explain how Mexicans viewed Americans.
- d) To show why Americans were moving there.

2) What is the purpose of the second paragraph "Antonio Lopez...?"

- a) Explain to the reader why Mexico declared independence from Spain.
- b) To show how the Americans moved into and lived in Texas.
- c) To display motivations why people in Texas wanted independence.
- d) Explains the steps taken to declare independence from Mexico.

3) What do you think is meant by "Washington-on-the-Brazos?"

- a) The location of where the fighting started.
- b) To explain the reasons for Texas Independence.
- c) The location of where the declaration was signed.
- d) The capital of Texas where the delegates were sent.

4) Why does the author add "It might surprise some people to learn that many Tejanos fought on the side of the American settlers against the Mexican government?"

- a) It would be unknown.
- b) People would assume that Tejanos wanted to leave.
- c) People did not care about the conflict.
- d) People would think that the Tejanos would fight for Mexico.

## The Texas Declaration of Independence: March 2, 1836

### Grievances

The government does not protect its citizens - it asserts power over them. There is disorder and lawlessness.

The government has become a military dictatorship and is no longer a republic. The only interests that are important to the government are the army and the church.

There is no longer freedom and the citizens are thrown into jails without cause.

We are not represented in the government. We have requested representation in congress, but we have been denied.

The government does not provide public education.

Citizens do not have the right to a trial by jury.

The government has allowed the military to terrorize the citizens.

The government has allowed foreign criminals to steal our ships and vessels.

The government does not allow freedom of religion.

The government has demanded its citizens to hand over its guns and weapons.

The government has attempted to drive us from our homes.

The government has massacred its own inhabitants with tomahawks and scalping knives.

The government is corrupt, cruel and domineering.

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## TEXAS GRIEVANCES

Imagine that you are living in Texas in 1836. You are part of the group of delegates that is deciding on issues to be included in the Declaration of Independence. The grievances have been written out. Now you will need to agree as a group, which of the five grievances are the most important. You will list the 5 grievances in order: the first being the one that causes the most concern. Teams will present their lists to the class.

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1 ) What is a grievance?

- a) Something that a person desires
- b) Something that a person demands to solve problems.
- c) Something that a person demands to create more problems.
- d) An act or statement by someone who does not want something.

2) What is the overall purpose of the grievances?

- a) Explains to the reader why they wanted to stay with Mexico.
- b) To make connections to the Mexican Revolution.
- c) To display reasons why they wanted to declare independence.
- d) Demonstrates why Tejanos fought with Americans.

3) Which statement would the author MOST agree with?

- a) "People are meant to be ruled. There is only the master and the slave."
- b) "Give me liberty, or give me death."
- c) "The country needs to have loyal citizens, whether they are represented or not."
- d) "All governments need to provide their people with basic rights and liberties."

## The Alamo

When Davy Crockett arrived in 1836, Texas was in the middle of a revolution. The president of Mexico, Santa Anna, had been in conflict with the Texans and Tejanos. Their peaceful request for independence had been denied. Davy joined the revolution and was dispatched to the Alamo.

The Alamo is a mission that was built in 1724 in San Antonio, Texas. The mission was originally used for the Native Americans who had converted to Christianity. Over the years, the Alamo served many purposes. It was used as a hospital, to house troops, to store military supplies, and was even used as a jail.



The Alamo, San Antonio, Texas

surround a building or town so that the inhabitants have no access to food or supplies.

In December of 1835, a group of Texans captured the Alamo from Mexico. This location was considered by many rebels to be vital in the revolution. In February, 1836, Davy joined around 200 other volunteers who had occupied the Mission for several months.

When Santa Anna discovered that the Texans were occupying the Alamo, he became furious. He decided to make an example of the rebels. He led his army of between 2,000 and 6,000 men (different sources report different numbers) to San Antonio and arrived on February 23, 1836, and laid siege to the Alamo. Laying siege means to

## Remember the Alamo!

**William Travis** was in charge of the defenders and sent messages pleading for aid from Sam Houston and others. Believing reinforcements were on their way, the rebels refused to surrender. On March 6, Santa Anna's army broke through and face-to-face fighting ensued.



William Travis

Davy Crockett died on March 6, 1836, with the other defenders of the Alamo. Santa Anna executed all of the prisoners with the

exception of some women, children and slaves who had witnessed the battle but had not fought. Santa Anna sent one of these women, **Susanna Dickinson**, to the town of Gonzales. She was ordered to warn rebels that if they continued with the revolution, they would meet a similar fate.



Susanna Dickinson

Six weeks later, a battle took place in San Jacinto, Texas. Santa Anna's army was attacked by Sam Houston's troops. It was at this battle that Houston rallied

his army with the battle cry, "Remember the Alamo!" in essence reminding the men that Santa Anna had slaughtered the defenders of the Alamo.



Santa Anna was captured during this battle in effect ending the war and winning independence for Texas. Nine years later Texas became a state.

1 ) What is the Alamo?

- a) The name of a river in Texas that Davy Crockett discovered.
- b) The name of a Mission and Battle that took place during the revolution.
- c) The birthplace of the Texas Revolution.
- d) Another name for the Texas Declaration of Independence.

2) When did the phrase "Remember the Alamo" become important?

- a) When Davy Crockett and the other soldiers were killed during the battle.
- b) When they built the Alamo as a mission in 1724.
- c) During the last battle of the revolution: the Battle of San Jacinto.
- d) After the signing of the peace treaty.

3) What is another meaning for the word 'mission' from the second paragraph?

- a) The next level in a game.
- b) Determination to complete a task.
- c) A place where people fight for God.
- d) A place where Natives are converted to Christianity.

4) Which phrase would the author MOST agree with about the purpose of the two passages?

- a) To explain how Davy Crockett was important to the Texas Revolution.
- b) To describe the importance of the Alamo in winning Texas' independence.
- c) A layout of events during the Mexican Revolution.
- d) To show how a Spanish mission was built and used throughout history.

5) What is the purpose of the sentence "She was ordered to warn rebels that if they continued with the revolution, they would meet a similar fate?"

- a) To connect the American Revolution to the Texas Revolution.
- b) To motivate people to fight Santa Anna.
- c) To motivate people to stop fighting.
- d) To show why the war was important.