

This practice test is designed to introduce your student to the mechanics of taking the TerraNova Grade 9 test when ordered through FLO, and to give your student an idea of the kinds of questions the test will contain. The practice test can be given a day or two in advance of the actual testing. It is not timed.

Answer Sheet for Student

The answer sheet is where your student will mark an answer for each question. Use a #2 pencil. The bubbles on the answer sheet should be filled in completely. Place the answer sheet alongside the Practice Test and remind the student to mark only on the answer sheet.

Practice Test for Student

The TerraNova Grade 9 Practice Test includes questions for Reading and Language Arts, Mathematics, Science, Social Studies, Vocabulary, Language Mechanics, Spelling, and Mathematics Computation. Print and staple these pages together. Place alongside the answer sheet opposite of the student's dominant writing hand when taking the practice test.

Answer Key

When finished, compare the student's answers with the answer key and go over questions that were marked wrong. Ask the student if they feel comfortable with the test taking process. If more practice is needed (for example, the student keeps marking the answers on the practice test and not the answer sheet), print out the practice test and answer sheet pages again and retake.

"When one teaches, two learn."

ROBERT HEINLEIN



TEST TAKING TIPS FOR THE STUDENT

1. **Relax.** It's natural to get nervous about tests. Just do your best and try not to worry. You got this!
2. **Listen and read carefully.** Listen carefully when directions are being read to you. Read all the directions carefully on the test. Ask your proctor to explain any directions you don't understand.
3. **Plan your time.** While this practice test is not timed, the actual test is. Listen to the amount of time given for a test section and use that time well. Answer the questions you are sure of first, and be careful to not take too long on any one question.
4. **Think.** It's okay to not know an answer to a question right away. Take some time to think. Rule out answer choices that you know are wrong and choose from the ones that are left.
5. **Stay positive.** Some questions will be hard to answer and others will be easy. Just do your best!



Reading and Language Arts

- 1 (A) (B) (C) (D)
- 2 (F) (G) (H) (J)
- 3 (A) (B) (C) (D)
- 4 (F) (G) (H) (J)
- 5 (A) (B) (C) (D)
- 6 (F) (G) (H) (J)
- 7 (A) (B) (C) (D)
- 8 (F) (G) (H) (J)
- 9 (A) (B) (C) (D)

Mathematics

- 1 (A) (B) (C) (D)
- 2 (F) (G) (H) (J)
- 3 (A) (B) (C) (D)
- 4 (F) (G) (H) (J)
- 5 (A) (B) (C) (D)
- 6 (F) (G) (H) (J)

Science

- 1 (A) (B) (C) (D)
- 2 (F) (G) (H) (J)
- 3 (A) (B) (C) (D)

Social Studies

- 1 (A) (B) (C) (D)
- 2 (F) (G) (H) (J)
- 3 (A) (B) (C) (D)
- 4 (F) (G) (H) (J)

Vocabulary

- 1 (A) (B) (C) (D)
- 2 (F) (G) (H) (J)
- 3 (A) (B) (C) (D)
- 4 (F) (G) (H) (J)

Language Mechanics

- 1 (A) (B) (C) (D)
- 2 (F) (G) (H) (J)
- 3 (A) (B) (C) (D)
- 4 (F) (G) (H) (J)
- 5 (A) (B) (C) (D)
- 6 (F) (G) (H) (J)

Spelling

- 1 (A) (B) (C) (D)
- 2 (F) (G) (H) (J)
- 3 (A) (B) (C) (D)

Mathematics Computation

- 1 (A) (B) (C) (D) (E)
- 2 (F) (G) (H) (J) (K)
- 3 (A) (B) (C) (D) (E)
- 4 (F) (G) (H) (J) (K)
- 5 (A) (B) (C) (D) (E)
- 6 (F) (G) (H) (J) (K)

Reading and Language Arts

Read the following excerpt. Then do Numbers 1 through 5.

Since the late 19th century, the Winchester House just outside San Jose, California has been the subject of bizarre stories and rumors that continue to fascinate visitors more than a hundred years later. Construction of the mansion was financed and overseen by Sarah Winchester, widow of William Winchester whose family was responsible for the manufacture of the famous Winchester rifle. The weapon was reputed to be “the gun that won the west.”

Sarah hailed from a prominent Connecticut family and enjoyed a cultured upbringing that included the best private schools of the time. She married William in 1862 and they led an active life in New England society until tragedy struck in 1866. The death of their infant daughter that year sent Sarah spiraling into a deep depression that would plague the rest of her life.

When William died of tuberculosis fifteen years later, Sarah turned to a spiritualist in desperation. Some reports say the medium she consulted blamed Sarah’s tragedies on the spirits of those killed by the Winchester rifle. These evil spirits would continue to haunt her family and fortune unless Sarah took the medium’s advice to move west and build a great house for these spirits to inhabit. According to the spiritualist, Sarah would be safe as long as construction on the house never ceased.

A visit to her niece in California led Sarah to find the perfect place for her new home. This beautiful, serene setting with an unfinished farm house seemed ideal.

Over the next 38 years, the Winchester estate grew from an eight room house into a seven story mansion perched on 161 acres of farmland.

Almost immediately, Sarah hired carpenters to work around the clock expanding the structure. Construction continued without ceasing until the day she died.

It was reported that Sarah never slept in the same room two nights in a row so the evil spirits would not be able to find her. Unfortunately, this practice nearly led to her total undoing when the San Francisco earthquake struck in 1906. Servants in the house went from room to room frantically searching for Sarah. In her own mind, Sarah was certain she was facing death at the hands of those evil spirits.

After the earthquake, she ordered the front of the house sealed off and it was only re-opened after her death. One story told of President Theodore Roosevelt’s unexpected visit to Sarah to no avail. He continually knocked on the front door, but no one answered.

The Winchester House has served for many years as a popular tourist attraction offering guided tours to curious visitors. At the center of the house is a room dedicated to séances and spiritual readings. Every set of stairs in the house consists of thirteen steps. In some cases, the steps lead to nothing but another wall or – even more alarmingly – to a door that leads to the outside and a sheer drop of several stories to the ground below. Enter the Winchester House at your own risk – and watch your step!

1. The essay begins in what period of history?
 - A 1600's
 - B 1700's
 - C 1800's
 - D 1900's
2. Sarah's fortune was based primarily on what invention?
 - F cotton gin
 - G Winchester rifle
 - H Colt 45 pistol
 - J automobile
3. Who advised Sarah to move out west?
 - A her husband
 - B her brother
 - C her sister
 - D her medium
4. Why did Sarah sleep in a different room each night?
 - F confuse the spirits
 - G hide from her servants
 - H sleep in a better bed
 - J avoid construction noises
5. How do you think Sarah felt the night of the earthquake?
 - A confused
 - B angry
 - C terrified
 - D hungry

6. Choose the answer that best combines these two sentences into one.

Albert Einstein was a German-born theoretical physicist.

He developed the theory of relativity.

- F Albert Einstein was a German-born theoretical physicist, he developed the theory of relativity.
- G Albert Einstein was a German-born theoretical physicist who developed the theory of relativity.
- H Developing the theory of relativity, Albert Einstein was a German-born theoretical physicist.
- J While he developed the theory of relativity, Albert Einstein was a German-born theoretical physicist.

7. Choose the sentence that best fills the blank in the paragraph.

To be a successful baker, you should always plan ahead. Read the recipe a day or two in advance. Ensure you have all of the ingredients on hand and prepare any that may need to be softened or brought to room temperature. _____

_____. Preheat the oven and prep the baking dish as instructed. Following these tips will help ensure your baking outcome is a success.

- A** Follow all of the steps carefully, mixing the ingredients as instructed.
- B** Bringing a food to room temperature can improve the texture and flavor.
- C** Listening to music while you bake can be relaxing.
- D** Taking a walk can help to relieve tension and stress.

8. Choose the topic sentence that best fits the paragraph.

_____.
His career started at age 19 playing for the Orioles and this is where he received his nickname. Due to his age, Jack Dunn, owner of the Orioles, had to become his legal guardian to complete the contract. Because of this, the Orioles players referred to him as “Jack’s newest babe,” and the most famous nickname in sports history was born. From that moment on, he was known as the Babe.

- F** Major League Baseball has many great players, some of whom were given nicknames.
- G** George Herman Ruth Jr. is one of the most iconic players in Major League Baseball history, and is best known by his nickname Babe Ruth.
- H** Nicknames are given to a lot of people, including famous baseball players.
- J** George Herman Ruth Jr. was born in Baltimore, Maryland and was one of eight children.

9. Read the paragraph below. Choose the best way to rewrite Sentence 3.

1) The Statue of Liberty was a joint effort by the U.S. and France. **2)** France was responsible for the statue, and the U.S. was responsible for the pedestal. **3)** When they needed to finance the project, fundraising efforts was made on both sides of the Atlantic. **4)** The statue was completed and shipped to the U.S. by 1885, but it took until April of 1886 till the pedestal was constructed. **5)** Finally, in 1886, the statue was reassembled on her new pedestal.

- A** Whereas they need to finance the project, fundraising efforts were made on both sides of the Atlantic.
- B** Because the project needed to be financed, fundraising efforts were made on both sides of the Atlantic.
- C** With the need to finance the project, fundraising efforts were made on both sides of the Atlantic.
- D** Best as it is

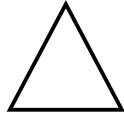
Mathematics

You may use scratch paper to solve these problems. Use of a calculator is permitted. You will also need a ruler with inches and centimeters.

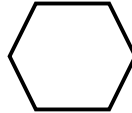
1. Which of these shapes is not a polygon?



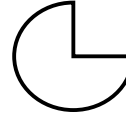
A



B



C



D

2. What is the least common multiple of 6 and 9?

F 3

G 18

H 36

J 54

3. Mrs. Smith needs 40 oz. of chocolate chips for a recipe. If there are 11 oz. in 1 bag of chocolate chips, how many bags does Mrs. Smith need to buy?

A 3

B 4

C 5

D 6

4. Study the graph on the right and use it to answer Number 4.

Which of these represents the percentage of the amount that was spent on the Hotel Stay?

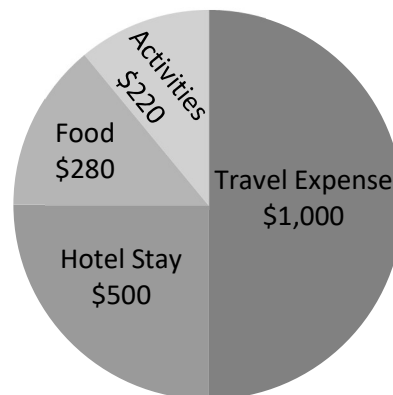
F 0.025

G $\frac{1}{5}$

H 40%

J 0.25

Vacation Expenses

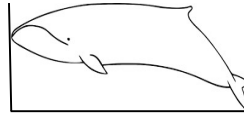


5. Use the inch side of your ruler to answer this problem.

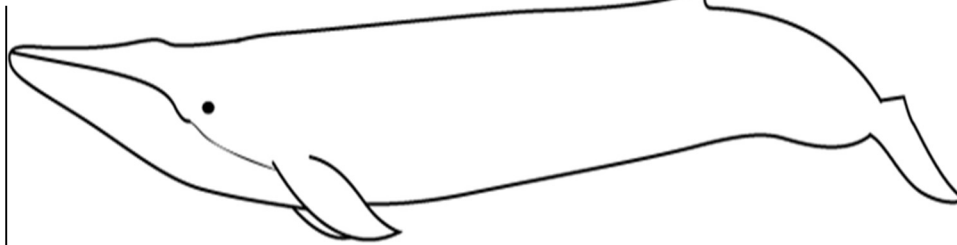
The Blue Whale is the largest whale and has an average length of 80 ft. In comparison, the Pygmy Right Whale is one of the smallest whales. What is the average length of the Pygmy Right Whale?

- A 16 ft.
- B 18 ft.
- C 20 ft.
- D 22 ft.

Pygmy Right Whale



Blue Whale



6. Which of these statements describes how to find the value of a in this equation?

$$8a = 56$$

- F Divide both sides by 8
- G Multiply both sides by 8
- H Divide both sides by 56
- J Multiply both sides by 56

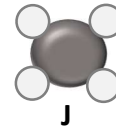
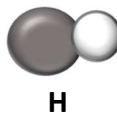
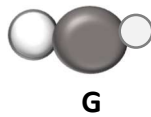
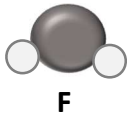
Science

1. What type of simple machine is the man using in the picture below?

- A a wheel and axle
- B a lever
- C an inclined plane
- D a wedge



2. Which of the below diagrams could represent a molecule?



3. Which of the below facts is not true about a sound wave?

- A it travels from a definite source
- B it is caused by vibrations of matter
- C it travels faster than light
- D it can only travel through a medium

Social Studies

Below is a brief outline of some of the amendments granted under the Bill of Rights. Look at the amendments. Then do Numbers 1 and 2.

Bill of Rights

First Amendment

Freedom of speech, freedom of religion, right of assembly, Freedom of the press, Right to petition the government for a redress of grievances

Second Amendment

Right to keep and bear arms

Third Amendment

Right not to quarter troops

Fourth Amendment

Right of privacy

Fifth Amendment

Citizens cannot be tried twice for the same crime

Private property cannot be taken for public use unless fair payment is made

Sixth Amendment

Right to a speedy trial by jury, right to a lawyer, right to the impartial jury, and right to know who your accusers are and the nature of the charges and evidence against you

1. A group of people gathering to protest a recent tax increase is protected by which amendment?

- A First Amendment
- B Second Amendment
- C Third Amendment
- D Fourth Amendment

2. A person accused of a crime has a right to an attorney to represent them under which amendment?

- F First Amendment
- G Third Amendment
- H Fifth Amendment
- J Sixth Amendment

3. It is a country on the Iberian Peninsula. Its coast is bordered by the Atlantic Ocean and it is the most western European state. With an area of 92,090 km², it is slightly smaller than the U.S. state of Indiana. It shares a maritime border with Morocco. What country is it?

A Spain
B Portugal
C Egypt
D Italy
4. A significant increase overtime in the GDP usually indicates a period of economic

F prosperity
G growth
H recovery
J recession

Vocabulary

For Number 1, read the sentences. Then choose the word that best completes both sentences.

1. On the _____ day of the tour, we visited the aquarium.
Our proposal did not win, but it was a close _____.

A contender
B starting
C second
D rank

For Numbers 2 and 3, read the sentences. For each numbered blank, there is a list of words with the same number. Choose the word from each list that best completes the meaning of the sentences.

During the live (2), the presenter showed the audience how to craft a simple planter box. With a few basic tools and supplies, it is a (3) project to undertake.

- | | |
|--|---|
| <ol style="list-style-type: none">2. F interview
G audience
H discussion
J demonstration | <ol style="list-style-type: none">3. A explicit
B feasible
C overwhelming
D challenging |
|--|---|

For Number 4, choose the word that means the same, or about the same, as the underlined word.

4. to intercede

F apart
G intervene
H articulate
J maintain

Language Mechanics

For Number 1, choose the sentence that is written correctly and shows the correct capitalization and punctuation.

1. A Irena said, "he is a excellent piano player."
- B "Should we make coffee, asked Tanya?"
- C "We should practice on Wednesday night," said Alex.
- D She said, it is so exciting to be going to a concert!"

For Number 2, look at the underlined part of the sentence. Choose the answer that shows the best capitalization and punctuation for that part.

2. The following runners qualified for the final race, Samuel Livingstone, Christina Sanchez, Ashley Clark, and Michael Smith.
- F race. Samuel
 G race; Samuel
 H race: Samuel
 J Correct as it is

For Numbers 3 through 6, read the letter and look at the numbered, underlined parts. Choose the answer that shows the best capitalization and punctuation for each underlined part.

December 12, 2018

Repairs Department
 Rocky Mountain Boarding Company

(3) 3241 mountain Lane

(4) Boulderville MT 59035

(5) To whom it may concern:

On August 2nd, I sent in my binder for a repair that was under warranty. The repaired item was returned to me, but on the first day I used it, the item broke. I am requesting that a replacement item be sent to me, as the repair was not effective.

(6) Sincerely,
 Lynn Taylor

3. A 3241 mountain lane
- B 3241 Mountain Lane
- C 3241 Mountain lane
- D Correct as it is

4. F Boulderville, MT 59035
- G Boulderville, MT, 59035
- H Boulderville MT, 59035
- J Correct as it is

- | | |
|---|--|
| <p>5. A To Whom It May Concern;
 B to whom it may concern,
 C To Whom It May Concern:
 D Correct as it is</p> | <p>6. F sincerely
 G Sincerely
 H sincerely,
 J Correct as it is</p> |
|---|--|

Spelling

For Numbers 1 and 2, choose the word that is spelled correctly and best completes the sentence.

- | | |
|---|---|
| <p>1. The _____ techniques have changed rapidly in recent years.</p> <p>A comunication
 B communicatian
 C communicatien
 D communication</p> | <p>2. Dogs can learn _____ if trained properly.</p> <p>F obediance
 G obediunce
 H obedience
 J obidenuce</p> |
|---|---|

For Number 3, read the phrases. Three of the underlined words are spelled correctly. Find the phrase containing an underlined word that is not spelled correctly.

3. **A** bank dividend
B evasive manuver
C happy temperament
D amateuer golfer

Mathematics Computation

This section is about working math problems. You may use scratch paper to solve the problems. Calculators should NOT be used for this section.

- | | |
|--|---|
| <p>1.</p> <p>$70 - 4 \div 4 \times 20 + 22 =$</p> | <p>A 352
 B 28
 C 72
 D 52
 E None of these</p> |
| <p>2.</p> <p>$^{-}585 \div 13 =$</p> | <p>F $^{-}45$
 G 45
 H 48
 J $^{-}48$
 K None of these</p> |

3.

$$6^3 \times 6^5 =$$

- A 6^{15}
- B 6^8
- C 36^8
- D 36^{15}
- E None of these

4.

What percent of
80 is 44?

- F 550.0%
- G 05.5%
- H 55.0%
- J 0.55%
- K None of these

5.

$$3x + 5 = 38$$

- A 11
- B 13
- C 33
- D 16
- E None of these

6.

$$300 \times 2.14685 =$$

- F 0.0644055
- G 0.644055
- H 6.44055
- J 644.055
- K None of these

Reading and Language Arts

- 1 - C
 - 2 - G
 - 3 - D
 - 4 - F
 - 5 - C
 - 6 - G
 - 7 - A
 - 8 - G
 - 9 - B
-

Mathematics

- 1 - D
 - 2 - G
 - 3 - B
 - 4 - J
 - 5 - C
 - 6 - F
-

Science

- 1 - C
 - 2 - F
 - 3 - C
-

Social Studies

- 1 - A
- 2 - J
- 3 - B
- 4 - G

Vocabulary

- 1 - C
 - 2 - J
 - 3 - B
 - 4 - G
-

Language Mechanics

- 1 - C
 - 2 - H
 - 3 - B
 - 4 - F
 - 5 - C
 - 6 - J
-

Spelling

- 1 - D
 - 2 - H
 - 3 - B
-

Mathematics Computation

- 1 - C
- 2 - F
- 3 - B
- 4 - H
- 5 - A
- 6 - J