

This practice test is designed to introduce your student to the mechanics of taking the CAT/5 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 CAT/5 Grade 9 Practice Test includes questions for Vocabulary, Comprehension, Spelling, Language Mechanics, Language Expression, Mathematics Computation, Mathematics Concepts & Applications, Study Skills, Science, and Social Studies. 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!

**Vocabulary**

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

**Comprehension**

- 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)

**Spelling**

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

**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)

**Language Expression**

- 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)

**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)

**Mathematics Concepts & Applications**

- 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)

**Study Skills**

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

**Science**

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

**Social Studies**

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

## Vocabulary

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

1. The \_\_\_\_\_ in the river was moving quickly.  
He reads the newspaper to stay \_\_\_\_\_ on local news.
  - A water
  - B current
  - C updated
  - D informed
  
2. We are looking for a \_\_\_\_\_ solution to help solve the problem.  
Which of these words indicates that the solution needs to be a new method or idea?
  - F innovative
  - G normal
  - H midstream
  - J tested

For Number 3, choose the word that means the same, or about the same as the underlined word.

3. to squander
  - A preserve
  - B squash
  - C conserve
  - D waste

For Number 4, choose the word that means the opposite of the underlined word.

4. usually feasible
  - F impossible
  - G achievable
  - H plausible
  - J respective

## Comprehension

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

Since the late 19<sup>th</sup> 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 her 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!

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

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

**Language Expression**

1. Choose the best word or phrase that best completes the sentence.

Lisa \_\_\_\_\_ to a movie next Saturday.

- A had been going
- B has gone
- C is going
- D will have gone

2. Choose the underlined part that is the simple predicate (verb) of the sentence.

Avery kicked the ball to Weston.

- F**      **G**      **H**      **J**

3. Choose the sentence that best combines the two sentences into one.

The players arrived at the game early.  
The players warmed up before the game.

- A The players arrived at the game early, and the players warmed up before the game.
- B The players warmed up at the game that arrived at the game early.
- C Arriving at the game early, the players warmed up.
- D The players warmed up, since they arrived early at the game.

4. Read the paragraph. Choose the sentence that best fills the blank in the paragraph.

Theodore “Teddy” Roosevelt was the 26<sup>th</sup> President of the United States. One would not have guessed from his energy and physical robustness during his campaigns that he had been sickly and frail as a young boy. Due to asthma and other health issues, he spent the early part of his life inside the family home. \_\_\_\_\_  
 \_\_\_\_\_. This helped him develop a rugged physique. After this he became a lifelong advocate of exercise.

- F In his teens, he began a program of physical exertion that included weightlifting and gymnastics.
- G He never exercised because his health was poor.
- H Teddy was elected governor of New York and served one term before being nominated as a vice president for William McKinley’s campaign.
- J Teddy’s first wife and mother died on the same day, and this was a devastating blow to the young man.

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

\_\_\_\_\_ . In 5<sup>th</sup> century China, ginger plants were grown in pots and carried on long sea journeys to provide fresh food and help prevent scurvy. In Europe, pepper and other spices and herbs were commonly used to camouflage bad flavors and odors, and for their health benefits. Onions, garlic, and shallots became popular condiments in Persia around the 6<sup>th</sup> century. Spices, such as black pepper, cinnamon, turmeric, and cardamom have long been used in India for culinary and health purposes as well.

- A Spices and herbs have been used since ancient times for flavoring and health purposes.
- B Black pepper is a very popular spice and is widely used.
- C Ancient people believed in evil spirits and used spices to ward them off.
- D When drinking tea became unpatriotic in colonial America, people began using spices and herbs to replace traditional teas.

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.

1.  $6^2 \div 3^2 =$
- A 1
  - B 2
  - C 3
  - D 4
  - E None of these

2. What percent of 20 is 4?
- F 4%
  - G 10%
  - H 20%
  - J 30%
  - K None of these

3.  $7 \times ^{-}10 =$
- A ^{-}7
  - B 10
  - C 70
  - D ^{-}70
  - E None of these

4.  $4 + (12 \div 3) - 1 \times 2 =$
- F 14
  - G ^{-}14
  - H 30
  - J 6
  - K None of these

5.  $-\frac{2}{7} + \frac{3}{7} =$
- A  $-\frac{2}{7}$
  - B  $\frac{1}{7}$
  - C  $-\frac{1}{7}$
  - D  $\frac{5}{7}$
  - E None of these

6.  $5c - c =$
- F 5
  - G  $4 - c$
  - H  $5c$
  - J  $4c$
  - K None of these

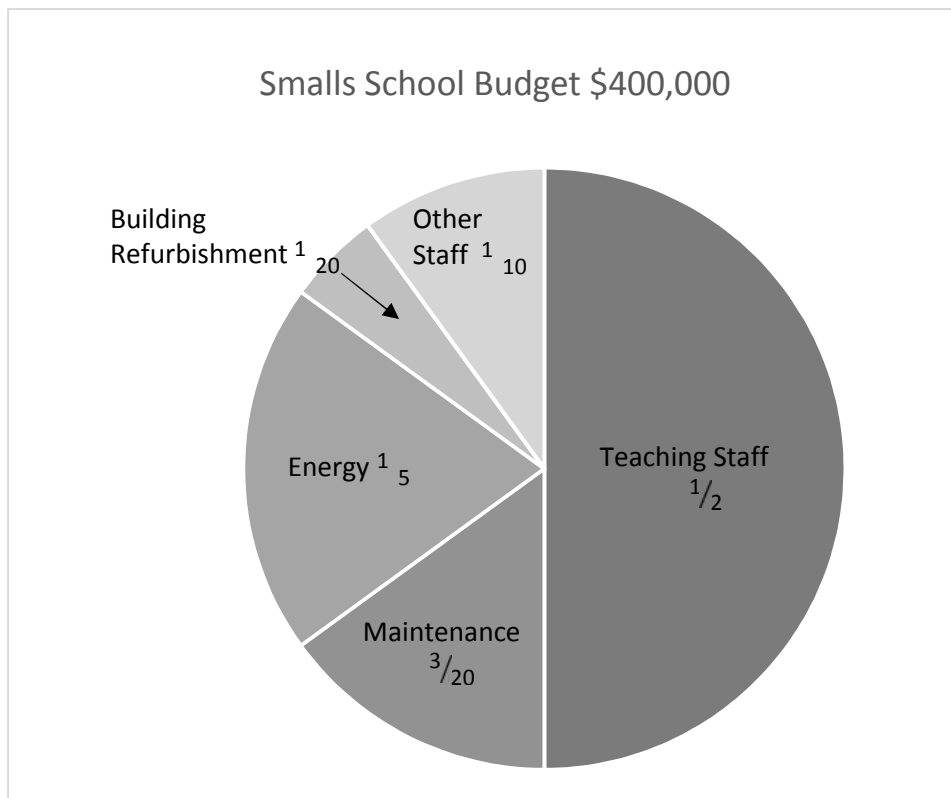


**Mathematics Concepts & Application**

You may use scratch paper to solve these problems. Use of a calculator is permitted.

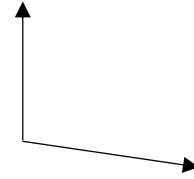
1. Which of these numbers has a 5 in the hundredths place?
  - A 0.7835
  - B 0.8570
  - C 0.5780
  - D 0.9850
  
2. Sally worked on Friday from 3:30 pm to 8:45 pm. How long did she work?
  - F 5 hours, 15 minutes
  - G 5 hours, 30 minutes
  - H 5 hours, 45 minutes
  - J 5 hours, 55 minutes
  
3. Which of these is another way to write  $3.38 \times 10^6$ ?
  - A 33,800
  - B 338,000
  - C 3,380,000
  - D 3.38000000

Study this graph for the basic budget of Small's school and use it to help answer Numbers 4 and 5.



4. How much does the school budget for Maintenance, Energy, and Building Refurbishment?
- F \$80,000
  - G \$120,000
  - H \$150,000
  - J \$160,000
5. What percentage of the budget does the school spend on Other Staff?
- A 1%
  - B 5%
  - C 10%
  - D 15%

6. Which of these is the best estimate of the number of degrees in this angle?



- F 100
- G 150
- H 130
- J 120

## Study Skills

Study this library card catalog. Then do Numbers 1 and 2.

BIRDS of PREY

438.5 **Brigham, Alexander**

B Birds of prey and their habitats/Alexander Brigham; illustrated by Penny Conway. – New York: Bird Books, 1989. 212 p. : ill. ; 35 cm

1. Birds of prey. I. Conway, Penny, ill.  
II. Title

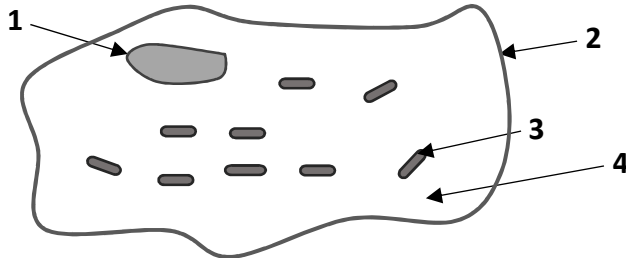
1. Who illustrated the book?
  - A New York
  - B Bird Books
  - C Alexander Brigham
  - D Penny Conway
2. How many pages are in the book?
  - F 438
  - G 212
  - H 1989
  - J 35

For Number 3, read the sentence. Then choose the key information that should be included in research notes about birds of prey.

3. Birds of prey include species of birds that primarily hunt and feed on vertebrates. They have keen eyesight for detecting prey at a distance and during flight. Their strong feet are equipped with talons for grasping or killing prey.
- A birds of prey fly around looking for food often with their keen eyesight
  - B birds of prey hunt with strong feet to grasp or kill prey
  - C birds of prey feed mainly on vertebrates, use keen eyesight to search for food, and have strong feet with talons for grasping or killing prey
  - D birds of prey; strong feet equipped with talons; hunt vertebrates.

Science

This diagram shows a cell with some of its parts numbered. Study the diagram. Then do Numbers 1 and 2.



1. What is the primary function of Part 2?
  - A It releases energy to do work.
  - B It directs the cell's activities.
  - C It protects the cell from its surroundings.
  - D It produces energy from food.
  
2. This type of cell shown can be found in
  - F a leaf
  - G an animal
  - H a bone
  - J a drop of blood
  
3. In what way are sponges, jellyfish, earthworms, and ticks alike?
  - A They all live in the ocean.
  - B They are all producers.
  - C They are all invertebrates.
  - D They are all vertebrates.
  
4. Good electrical insulators such as plastic do not conduct electricity very well because they do not let \_\_\_\_\_ flow easily from one atom to another.
  - F protons
  - G electrons
  - H positive ions
  - J negative ions

**Social Studies**

Study this chart that shows some of the powers of the president of the United States. Use this chart to help you answer questions Number 1 and 2.

|  |
|--|
| <p><b>Powers of the President</b></p> <ul style="list-style-type: none"> <li>J Serve as Commander in Chief of the armed forces</li> <li>J Commission officers of the armed forces</li> <li>J Grant pardons and reprieves except impeachments</li> <li>J Convene Congress in special sessions</li> <li>J Receive ambassadors</li> <li>J Ensure that laws are executed (enforced)</li> <li>J Wield the “executive power”</li> <li>J Appoint Officials to lesser offices</li> </ul> <p><b>Powers shared with the Senate</b></p> <ul style="list-style-type: none"> <li>J Make treaties</li> <li>J Appoint ambassadors, judges, and high officials</li> </ul> <p><b>Powers that are shared with Congress as a Whole</b></p> <ul style="list-style-type: none"> <li>J Approve Legislations</li> </ul> |
|--|

1. Which of these is a judicial power held by the president?
  - A Commission officers of the armed forces
  - B Appoint officials to lesser offices
  - C Appoint judges to the Supreme Court
  - D Negotiate trade agreements with China
  
2. Appointing someone as an ambassador is most associated with which of these presidential powers?
  - F executive
  - G diplomatic
  - H legislative
  - J military

3. In economic terms, someone who buys and uses products and services is a...?
  - A producer
  - B distributor
  - C natural resource
  - D consumer
  
4. Developed around the 5<sup>th</sup> century, this is the most widely used number system. What is it?
  - F Roman Numeral System
  - G Hindu-Arabic Numeral System
  - H Aztec Numeral System
  - J Greek Numeral System

## Vocabulary

1 - B  
2 - F  
3 - D  
4 - F

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## Comprehension

1 - C  
2 - G  
3 - D  
4 - F  
5 - C

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## Spelling

1 - D  
2 - H  
3 - B

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## Language Mechanics

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

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## Language Expression

1 - C  
2 - G  
3 - C  
4 - F  
5 - A

## Mathematics Computation

1 - D  
2 - H  
3 - D  
4 - J  
5 - B  
6 - J

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## Mathematics Concepts &amp; Applications

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

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## Study Skills

1 - D  
2 - G  
3 - C

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## Science

1 - C  
2 - G  
3 - C  
4 - G

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## Social Studies

1 - C  
2 - G  
3 - D  
4 - G