This practice test is designed to introduce your student to the mechanics of taking the CAT/5 Grade 11/12 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 11/12 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.

> *"Education is not the learning of facts but the training of the mind to think."*
>
> *ALBERT EINSTEIN*

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)

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)

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)
4. (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)

Vocabulary

For Number 1, choose the word that means the same, or about the same, as the underlined word.

1. quite <u>formidable</u>

    A forbidding
    B ambitious
    C unimportant
    D restrained

For Number 2, choose the word that means the opposite of the underlined word.

2. a <u>hindrance</u>

    F hazard
    G advantage
    H resistance
    J hamper

For Number 3, read the sentence with the missing word and the question relating to the word. Then choose the word that best answers the question.

3. The clothes he wore were _____.

    Which of these words would indicate that the clothes were strange and unfamiliar?

    A extravagant
    B extraordinary
    C outlandish
    D superficial

For Number 4, read the sentences. Then choose the word that correctly completes <u>both</u> sentences.

4. Both parties agreed to sign the _____.
    The sealant will _____ once it cools.

    F contract
    G shrink
    H form
    J agreement

Comprehension

Read the following excerpt. Then do Numbers 1 through 3.

Yellowstone National Park was the first national park in the United States and is believed to be the first in the world. It was established by Congress and signed into law by President Ulysses S. Grant on March 1, 1872. The park occupies the northwest corner of Wyoming touching the adjoining states of Montana and Idaho and covers an area of 3,468 square miles. Yellowstone's landscape is made up of lakes, canyons, rivers, and mountain ranges presenting some breathtaking scenery.

One of its earliest explorers was John Colter of the Lewis and Clark Expedition of 1806. After being wounded by Indians, he described a place of "fire and brimstone" that many dismissed as fits of delirium. Over the next several decades, a number of mountain men and trappers reported seeing boiling mud, steaming rivers, and petrified trees but even they were not believed.

Several other expeditions were sent to explore the area, collect specimens, and name sites of interest. It wasn't until American geologist, Ferdinand V Hayden led a government sponsored expedition in 1871 that included a photographer and painter, that the area was removed from public auction. The following year, President Grant signed *The Act of Dedication* law that created Yellowstone National Park.

This little corner of Wyoming is like no other place on the continent. The lush landscape is dotted with beautiful geothermal formations that defy description. These include Fumaroles or steam vents that hiss steam and gases as well as Geysers such as Old Faithful which spews scalding hot water high into the air at 90-minute intervals the year-round. Wood plank walkways have been constructed to allow visitors to walk out over the Mud pots steaming with acidic hot water and Hot Springs filled with "boiling" water. The park is also home to over 1700 species of trees and plants as well as almost 60 species of mammals including the timber wolf, coyote, the threatened Canadian lynx, grizzly bears, black bears, elk, moose, mule deer, mountain goats, bighorn sheep, cougars, and bison.

Driving through Yellowstone is a feast for the eyes but can also be treacherous. The animals have the right-of-way here. So when bison or elk are strolling along the road, automobile traffic slows to a crawl. Most drivers don't seem to mind. The beauty and wonders of Yellowstone summon thousands of visitors from all over the world every year.

1. Yellowstone National Park is located in the northwest corner of what state?

   A Montana
   B Wyoming
   C Idaho
   D Arizona

2. The law making Yellowstone a national park was signed by which president?

   F Lincoln
   G Roosevelt
   H Grant
   J Johnson

3. The first known explorer of the region was with which expedition?

   A Cortez
   B Hudson
   C Balboa
   D Lewis & Clark

Spelling

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

1. The larva will soon become a butterfly through _____.

    A matamophoses
    B metamorphosas
    C metamorphosis
    D metemorphosas

2. The speaker moved his arms in a _____ gesture.

    F demonstrative
    G demenstrative
    H domenstrateve
    J demonstratave

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

3. **A** high <u>potency</u>
    B <u>pristine</u> view
    C <u>interject</u> questions
    D <u>instegate</u> action

Language Mechanics

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

1. **A** Dave was reading the newspaper article titled Energy Needs Increasing.
    B Have you ever read the poem The Road Not Taken?
    C Sam's favorite short story is called, "Where the River Starts."
    D Sally's new song is called *Reflections*.

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

2. Sally <u>said, "don't</u> forget to bring a beach ball."

    F said, Don't
    G said, don't
    H said, "Don't
    J Correct as it is

For Numbers 3 through 5, read the letter and look at the numbered, underlined parts. Choose the answer that shows the best capitalization and punctuation for each part.

March 2, 2019

Elizabeth's Tea Shop
204 W. Monroe Street
(3) spokane, Wa 99205

(4) Dear Madam:

Please send me a sample of your Evening Primrose tea pouches. I have included a pre-addressed packet with this letter. Thank you.

(5) yours truly
Tiffany Harloom

3. **A** Spokane, Wa 99205
    B Spokane, WA 99205
    C Spokane Wa 99205
    D Correct as it is

4. **F** Dear Madam,
    G Dear Madam;
    H Dear madam:
    J Correct as it is

5. **A** Yours Truly;
    B Yours truly,
    C Yours Truly
    D Correct as it is

Language Expression

For Number 1, choose the sentence that is complete and written correctly.

1. **A** The dogs and cat was getting their food.
    B We'll be waiting for the new litter to arrive.
    C After the vet was examining the dog, the assistant will take a blood sample.
    D Sally and I are hoping to see the puppies when they arrived.

For Number 2, choose the underlined part that is the simple subject of the sentence.

2. The wildlife biologist waited excitedly for the herd to appear.
                    F   G   H   J

For Number 3, read the underlined sentences. Choose the sentence that best combines those sentences into one.

3. The baker decorated the cake.
    The baker handed the cake to the mother.

    A The baker handing the cake to the mother decorated the cake.
    B While decorating the cake, the baker handed it to the mother.
    C The baker who decorated the cake was the baker who handed it to the mother.
    D After decorating the cake, the baker handed it to the mother.

For Number 4, read the paragraph. Choose the sentence that best fills the blank in the paragraph.

4. Orville and Wilbur Wright developed an interest in aviation after learning of the glider flights of the German engineer Otto Lilienthal in the 1890's. Both of them possessed exceptional technical ability and an advanced ability to solve problems with mechanical designs. After their first glider was tested in 1900 they worked tirelessly to improve the design. _____. The experiments paid off and they flew hundreds of successful flights in their 1902 glider.

   F They even built a wind tunnel where they tested nearly 200 wings and airframes of different shapes and designs.
   G Once they solved the problem of controlling the glider, they were ready for powered flight.
   H They built printing presses and opened a bicycle sales and repair shop where they began building their own bicycles.
   J Kitty Hawk was the test site they chose due to its steady winds and sand dunes which allowed for soft landings.

For Number 5, choose the answer that best develops the topic sentence.

5. Times Square, sometimes called "The Crossroads of the World," is one of the world's busiest pedestrian areas.

   A It is the hub of the Broadway Theater District and a major center of the world's entertainment industry.
   B Brightly adorned with billboards and advertisements, it stretches from West 42nd to West 47th Streets.
   C This is partly due to the fact that it is one of the most visited tourist attractions in the world, drawing an estimated 50 million visitors each year.
   D It was formerly known as Longacre Square, but was renamed in 1904 after *The New York Times* moved its headquarters to the newly erected Times Building.

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.

120% of ☐ = 30

   A 20
   B 22
   C 25
   D 28
   E None of these

2.

$6^2 \times 6^{-5} =$

   F 36^{-10}
   G 6^{-10}
   H 36^{-3}
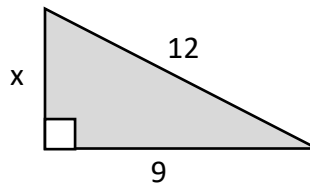   J 6^{-3}
   K None of these

3.

$|{}^-3| + (54 \div 6) - 4^3 =$

A ${}^-67$
B ${}^-64$
C ${}^-52$
D 52
E None of these

4.

$4a - b(5a - b) =$

F $a + b$
G $4a - 5ab + b^2$
H $9a - 2b$
J $4a - 5ab - b^2$
K None of these

5.

${}^-7 - 9 =$

A 2
B ${}^-2$
C 16
D ${}^-16$
E None of these

6.

$-\dfrac{6}{10} + \dfrac{2}{10} =$

F $-\dfrac{2}{5}$
G $\dfrac{2}{5}$
H $\dfrac{4}{5}$
J $-\dfrac{4}{5}$
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 is another way to write 236,000?

A 236×10^5
B 2.36×10^3
C 2.36×10^5
D 23.6×10^6

2. Which of these is the best estimate of the length of side x?

F between 6 and 7
G between 7 and 8
H between 8 and 9
J between 9 and 10

3. Sally prepared 4 liters of punch for the party. After the party was over she had 475 milliliters left over. How much punch was consumed at the party?

A 3 liters
B 3,225 milliliters
C 2.5 liters
D 3,525 milliliters

The table below shows the results of a poll regarding the top 6 favorite foods of the students at Easthill High School. Study the table. Then do Numbers 4 and 5.

POLL RESULTS

Food	Number
Hamburgers	22
Cookies	8
Hotdogs	12
French Fries	18
Pizza	15
Chicken Tenders	5

4. Of the students polled, what percentage chose pizza?

F 18.75%
G 18.5%
H 22.5%
J 15%

5. What is the ratio of those polled who preferred chicken tenders to pizza?

A 1:3
B 2:3
C 3:1
D 3:5

6. What is the prime factorization of 225?

F 3×5
G $3^2 \times 5$
H $3^2 \times 5^2$
J 3×5^2

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

Study this poster. Then do Numbers 3 and 4.

3. When can you buy tickets?

    A On Saturday, Dec. 7 at 9 p.m.
    B On Saturday, Dec. 7 between 6-9 p.m.
    C Right Away
    D On Friday, Dec. 6 between 5-9 p.m.

4. How many previous appearances has the comedian made at KC's?

    F one appearance
    G two appearances
    H three appearances
    J four appearances

Science

1. Which of these is caused by the reflection, reflaction, and dispersion of light in water droplets?

    A an aurora
    B a water spout
    C a rainbow
    D a supernova

A scientist is studying the traits of feral pigs in an area in the southwestern region of the U.S. This table shows the number of feral pigs observed to have the different possible combinations of coat and tail traits. Study the table and use it to answer Number 2.

	Curly Tail	Straight Tail
Solid Coat	40	400
Spotted or Mottled Coat	20	300
Belted or Shoulder Band Coat	5	75

2. What was the least common combination of coat and tail traits that the scientist observed?

    F solid coat and curly tail
    G belted/shoulder band coat and straight tail
    H spotted/mottled coat and straight tail
    J solid coat and straight tail

3. Two objects of equal size are placed in a pool. One of the objects floats and the other sinks. What could be an explanation for this?

   A the object that floats is more dense than the object that sinks
   B the object that floats has more volume than the object that sinks
   C the object that floats is smaller than the object that sinks
   D the object that floats is less dense than the object that sinks

Social Studies

1. If you choose to remain silent when arrested, you are exercising what amendment right?

   A First Amendment
   B Third Amendment
   C Fourth Amendment
   D Fifth Amendment

2. What was the purpose of the Factory Act of 1833?

   F to improve working conditions for children
   G to improve production
   H to reduce pollution from the factories
   J to improve working conditions for factory workers

3. Where is the Weddell Sea located?

   A near Africa
   B near South America
   C near Antarctica
   D near Greenland

Family Learning Organization

Vocabulary

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

Comprehension

1 - B
2 - H
3 - D

Spelling

1 - C
2 - F
3 - D

Language Mechanics

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

Language Expression

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

Mathematics Computation

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

Mathematics Concepts & Applications

1 - C
2 - G
3 - D
4 - F
5 - A
6 - H

Study Skills

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

Science

1 - C
2 - F
3 - D

Social Studies

1 - D
2 - F
3 - C