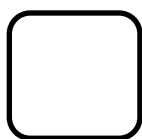


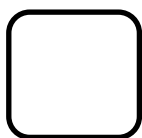
What is ACCUPLACER?

- How ACCUPLACER Works
- How ACCUPLACER is Administered
- Rules
- Locations



Placement Information

- Course Placement
- What your Score Means
- Retake Options



Placement Prep

- ACCUPLACER Practice App
- Additional Prep Resources

Preparation Check List

Submit an Anne Arundel Community College Admissions Application.

- Submit an AACC application in person or online at <http://www.aacc.edu/apply-and-register/>.
- Click on the “**Apply Now**” button.
- For more information about registration please call 410-777-2246.

Determine if placement is needed.

At AACC, we now offer many ways for you to "place" into courses. These include the following measures:

- GPA
- SAT/ACT
- ACCUPLACER
- PARCC
- GED
- Previous College English and/or Math courses

For more information please contact Kelly Fay at kmfay@aacc.edu or visit our website at www.aacc.edu/testing.

Placement Prep Introduction.

If you would like to take the ACCUPLACER Placement please choose a placement prep:

Option One

To prepare, sign-up for a face-to-face or online ACCUPLACER Prep session at <https://bit.ly/2CkEm3H> These sessions are designed to help you prepare for the ACCUPLACER placement test, learn about additional methods in order to "place" and what to do after your placement test.

Option Two

If you are not able to attend a prep session, please watch the ACCUPLACER prep presentation:

1. Visit <https://share.nearpod.com/1mYAgvtp5T> (Case Sensitive)
 - If you have issues with this site, please email testing-arnold@aacc.edu.

Visit the Testing Center to complete the ACCUPLACER Test.

Visit with an Academic Advisor prior to registering for classes.

- For Advising hours and locations please contact 410-777-2307 or visit www.aacc.edu/advising

Attend New Student Orientation

- For more information about the required New Student Orientation session, please visit www.aacc.edu/orientation

What to expect on the ACCUPLACER exams

	Placement Exam	Appointment	Time Limit	Results	Retake
Native Speaker					
	Reading	No	No	Immediately	1
	Writing	No	No	Immediately	1
	Quantitative Reasoning, Algebra, and Statistics	No	No	Immediately	After Review Course
	Advanced Algebra and Functions	No	No	Immediately	After Review Course
	Health and Science Arithmetic	No	60 Minutes	Immediately	1
Non-Native Speaker					
	Reading	No	No	Immediately	1
	Sentence Meaning	No	No	Immediately	1
	Language Usage	No	No	Immediately	1
	Essay	No	30 - 60 Minutes	After Review by ESL Department	1

All ACCUPLACER Tests Are...

Untimed
Multiple Choice
Computer Adaptive

- Cannot skip questions
- Cannot change answers

Scaled Scoring (you will score between 200 & 300 points)

- More challenging questions are higher points
- Must answer ALL questions for scoring

Reading and Writing Placement Test

Utilized to place you into credit level English Coursework (ENG 101). Eligibility for credit level English coursework is required to register for some humanities credits; such as history, social sciences, and more general electives.

Three Placement Potentials for English

- 1) English 101
- 2) English 101A + ENG 099 (Co-requisite)
- 3) RDG 040

ACCUPLACER Reading Test – 20 Multiple Choice Questions

Topics Covered

- Information & Ideas
- Rhetoric
- Synthesis
- Vocabulary

ACCUPLACER Writing Test – 25 Multiple Choice Questions

Topics Covered

- Expression of Ideas
- Sentence Structure
- Usage
- Punctuation

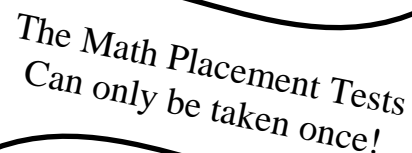
*The Reading & Writing Tests
May be taken 2x each if
desired*

Math Placement

Utilized to place you into credit level math course work. Course placement varies based on a range of scores, and based on students chosen major. Eligibility for credit level math course work is required to register for several science and engineering based courses.

Three Placement Potentials for Math

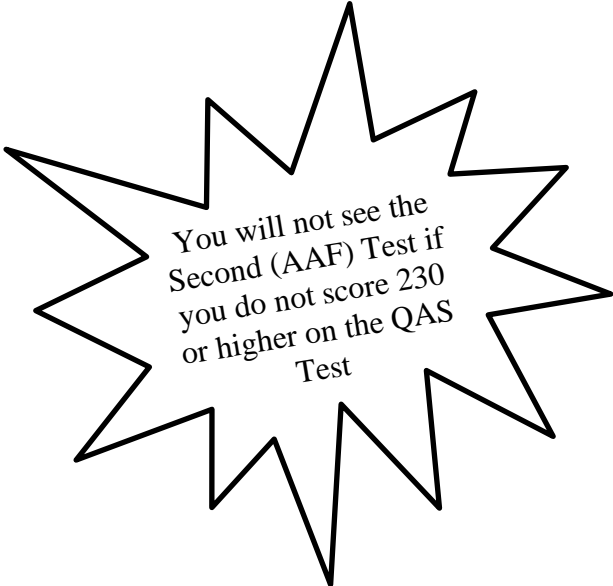
1. Credit Level Math
2. Credit Course & Co-Requisite Course
3. Non-Credit Math Course



The Math Placement Tests
Can only be taken once!

ACCUPLACER QAS Test – 20 Multiple Choice Questions

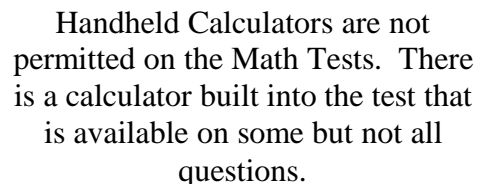
- Rational Numbers
- Ratio & Proportional Relationships
- Exponents
- Algebraic Expressions
- Linear Equations
- Linear Applications & Graphs
- Probability & Sets
- Descriptive Statistics
- Geometry Concepts (Pre-Algebra & Algebra 1)



You will not see the
Second (AAF) Test if
you do not score 230
or higher on the QAS
Test

ACCUPLACER AAF Test – 20 Multiple Choice Questions

- Linear Applications & Graphs
- Polynomial Equations
- Functions
- Trigonometry
- Quadratics
- Linear Equations
- Radical & Rational Equations
- Geometry Concepts (Algebra 1 & 2)
- Factoring
- Exponential & Logarithmic Equations



Handheld Calculators are not
permitted on the Math Tests. There
is a calculator built into the test that
is available on some but not all
questions.

Exam Rules

- Cell phones or other electronics cannot be on desk or used during the exam.
- Talking or disrupting other students is strictly prohibited.
- Access to other Internet websites is prohibited.
- **Please visit <http://www.aacc.edu/resources/academic-services/testing/testing-rules/>**

Locations for ACCUPLACER Administration

ARNOLD CAMPUS: Student Union Building Room 240 - 410-777-2375

ARUNDEL MILLS: Room 112 - 410-777-1915

GLEN BURNIE TOWN CENTER: Room 208 - 410-777-2906



Arnold



Arundel Mills



Glen Burnie Town Center

VALID PHOTO ID REQUIRED FOR ALL EXAMS

Placement Prep

- ACCUPLACER Prep Session
- Retest Options
- ACCUPLACER Prep App
- Next Generation Reading
- Next Generation Writing
- Quantitative Reasoning, Algebra, and Statistics (QAS)
- Advanced Algebra and Functions (AAF)
- ESL – Reading Skills Sample
- ESL – Sentence Meaning Sample
- ESL – Language Usage Sample
- Health Sciences/Biology Arithmetic Sample

ACCUPLACER Prep Session

English as a Second Language ACCUPLACER

Students who do not speak English or whose second language is English may be given the ACCUPLACER LOEP exam. Based on the student's background, ACCUPLACER will automatically determine if the LOEP exam is required. After completing the LOEP exam a student may be required to write an essay as part of the LOEP exam.

We encourage all ESL students to review our **ACCUPLACER Prep Guide** and the required **ESL ACCUPLACER Prep Video(English)** or **ESL ACCUPLACER Prep Video(Español)**. Our prep guide includes sample questions for the ESL ACCUPLACER Test. For more information about Anne Arundel Community College's ESL program, please visit www.aacc.edu/esl or call 410-777-2901.

In order to help you prepare for the placement test, please join our Off-Site Testing Coordinator Kelly Fay for a 60-minute Prep session. This session is designed to help you prepare for the ACCUPLACER placement test, learn about additional methods in order to "place" and what to do after your placement test. We welcome parents and spouses to join us. However, we will not be able to allow children to attend the session.

Please sign-up for the ACCUPLACER Prep Session at:

<https://bit.ly/2CkEm3H>

English Speaking ESL Prep Video

<https://ola.aacc.edu/ID/Multimedia/Accuplacer/ESL-AccuplacerPrepGuide/>

Spanish Speaking ESL Prep Video

<https://ola.aacc.edu/ID/Multimedia/Accuplacer/ESL-AccuplacerPrepGuide-Spanish/>

Retake Options

Nationally most students are placed into at least 1 non-credit course. It is Anne Arundel Community College's goal to minimize the need for students to place into non-credit courses. A student may be eligible to retake a portion(s) of the ACCUPLACER exams. Below are Anne Arundel Community College's placement test retake options.

Math Placement

If a student would like to retake the ACCUPLACER Math Placement, they will be required to complete a review course prior to retaking the exam. The review course is determined by level of placement. Upon completion of the math review course, students may retake the exam once more.

Once the placement test has been completed, an Individual Score Report will list which review course students should complete.

Math Review Courses

SKL- 328 is designed for students seeking to retake the math placement test. Emphasis is on a fast-paced intensive review of algebra. Topics include algebraic fractions, linear and quadratic equations, radicals, roots and more. Prerequisite: Students must first take a college placement test at the testing center. Prior knowledge of Algebra 1 and 2 are required. Note: 100% attendance is required of students seeking to retake the college placement test. For more information, please visit http://www.aacc.edu/search/course/crs_sect.cfm?courseId=27804&termId

ALEKS is a web-based, artificially intelligent assessment and learning system. ALEKS uses adaptive questions to quickly and accurately determine exactly what one knows or doesn't know in math subjects, and then provides instruction on the topics you are most ready to learn. Students that complete 80% of ALEKS may return to the testing center to retake the math portion of the exam. For more information and pricing, please visit the Math Department's website at <http://ola.aacc.edu/mathcomputerlab/PlacementTest/retesting.htm>

Writing, Reading and ESL Placement

If you would like to retake either the Writing or Reading placement exams, you may return to the testing center 24 hours after your initial attempt. After your first attempt you are allowed one additional attempt.

Health and Science Arithmetic Placement

If you would like to retake the Arithmetic placement exam, you may return to the testing center after 24 hours after your initial attempt. After your first attempt you are allowed one additional attempt.

Next Generation ACCUPLACER Sample Test

Official ACCUPLACER Study Web App



The College Board has released an official ACCUPLACER Study Web App for any desktop or mobile device. This app allows students to take a sample exam for the ACCUPLACER English, reading and math tests. The app also offers additional information on how to prepare for the test. The ACCUPLACER Study Web App is available for free. We encourage all students to use this app.

Please only complete the following sample test(s) in the ACCUPLACER Study Web App.

Note: Please select the following “Next Generation” ACCUPLACER sample test.

- Reading
- Writing
- Quantitative Reasoning, Algebra, and Statistics (QAS)
- Advanced Algebra and Functions (AAF)

DO NOT USE the **Arithmetic** sample; this test is not used by AACC.

Please visit the following web link: <https://accuplacerpractice.collegeboard.org/login>

This link will take you to College Board’s website. You will be required to register through College Board to gain access to the ACCUPLACER Study Web App. Registration is free and there are no additional costs to use the ACCUPLACER Study App.

Additional Resources

Math

<https://www.khanacademy.org/>
<https://www.mathhelp.com/nextgen-accuplacer-qas/>
<https://www.mathhelp.com/nextgen-accuplacer-aaf/>

English

<http://www.readtheory.org/>
<https://www.khanacademy.org/>

Next Generation ACCUPLACER Sample Test

If you prefer to print and use Next Generation ACCUPLACER placement sample guides please visit:
<https://accuplacer.collegeboard.org/student/practice>

ACCUPLACER's website offers PDF versions of the following sample tests:

- Next Generation Reading
- Next Generation Writing
- Quantitative Reasoning, Algebra, and Statistics (QAS)
- Advanced Algebra and Functions (AAF)

Reading Sample Question:

Sherry Turkle of the Massachusetts Institute of Technology has been writing about human- technology interactions for the past three decades. She has become increasingly wary of the capacity of online spaces to fulfill us in the ways we seem to want them to. According to Turkle, part of the problem with the internet is that it encourages self-invention. "At the screen," she writes in *Alone Together* (2011), "you have a chance to write yourself into the person you want to be and to imagine others as you wish them to be, constructing them for your purposes. It's a seductive but dangerous habit of mind."

Adapted from Olivia Laing, "The Future of Loneliness." ©2015 by Guardian News and Media Limited.

The main purpose of the passage is to

- A. evaluate conflicting assessments
- B. present a sharp critique
- C. propose a necessary remedy
- D. provide background details

Writing Sample Question:

(1) The prevalence of nectarines in US supermarkets today is directly related to the company started by two unrelated men who shared a last name, an inventive bent, and a drive to succeed. (2) Moving from Korea to the United States in 1914, Ho "Charles" Kim founded the Kim Brothers trucking company in California in 1921 with his friend Harry Kim. (3) Much of the freight their trucks carried in the early years were fruit grown in the San Joaquin valley. (4) Kim Brothers soon expanded to include nurseries, orchards, and fruit-packing sheds. (5) Eventually the operation became a major employer, providing year-round jobs for about two hundred people and up to four hundred part-time jobs during harvest season coming after growing season.

(6) Kim Brothers succeeded even in the face of the Great Depression of the 1920s and 30s because the company produced and sold the first commercially viable nectarines. (7) The nectarine is a hybrid fruit. (8) It combines peach and plum, with the taste and texture of the former and the smooth skin of the latter. (9) With the help of a staff horticulturalist, Kim Brothers developed and patented the "fuzzless peach" known as the Sun Grand nectarine. (10) Tough not the first nectarine—the fruit had existed in China for two millennia; the Sun Grand was unique in being hardy enough to ship great distances.

(11) By the 1960s, Kim Brothers included more than five hundred acres of farmland and grossed more than \$1 million annually. (12) Charles and Harry Kim were eventually recognized as the first millionaires of Korean descent. (13) They were also known for giving back to their community. (14) Charles was also instrumental in helping to create Los Angeles's Koreatown (home today to more Koreans than any place other than North and South Korea).

Which is the best version of the underlined portion of sentence 3 (reproduced below)?

Much of the freight their trucks carried in the early years were fruit grown in the San Joaquin valley.

- A. (as it is now)
- B. have been
- C. are
- D. was

Quantitative Reasoning, Algebra, and Statistics (QAS)

$$4(x + 5) + 4x + 8$$

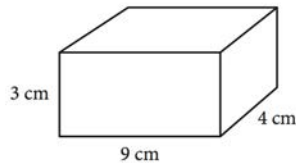
Which of the following is equivalent to the expression above?

- A. $4(2x + 7)$
- B. $8(x+4)$
- C. $5x+17$
- D. $8x+13$

Advanced Algebra Functions (AAF)

The surface area of a right rectangular prism can be found by finding the sum of the area of each of the faces of the prism. What is the surface area of a right rectangular prism with length 4 centimeters (cm), width 9 cm, and height 3 cm? (Area of a rectangle is equal to length times width.)

- A. 75 cm^2
- B. 108 cm^2
- C. 120 cm^2
- D. 150 cm^2



Key

Reading – B

Writing – D

Quantitative Reasoning, Algebra, and Statistics - A

Advanced Algebra Functions - D

Although the sample questions above offer a small sample of the ACCUPLACER's exam, we strongly suggest that you use the ACCUPLACER Study App prior to attempting to take the exam.

Visit - <https://accuplacerpractice.collegeboard.org/login>

*See page 6 for more information about the ACCUPLACER Study App.

ACCUPLACER ESL Sample

Students who have completed less than 7 years of U.S. based English will take the ACCUPLACER ESL Placement Test. Although this exam is meant for non-native English speakers, students do have the chance to place into credited English Courses.

ESL Reading Skills

The ESL Reading Skills test measures your ability to read English. Specifically, it assesses your comprehension of short passages. It contains brief passages of 50 words or less and moderate length passages of 50 to 90 words. Half of this test contains straightforward comprehension items (paraphrase, locating information, vocabulary on a phrase level, and pronoun reference). The other half assesses inference skills (main idea, fact versus opinion, cause/effect logic, identifying irrelevant information, author's point of view and applying the author's logic to another situation).

ESL Reading Skills Sample Questions

Read the information below, then choose the best answer.

1. Television has been introduced to almost every country in the world, reaching a large number of viewers on every continent. About 600 million people saw the first person walk on the moon, and a billion people watched the twentieth Olympic Games. Television has in many ways promoted understanding and cooperation among people. It does this by showing educational and cultural programs.

From this passage, a reader can most reasonably conclude that the author believes that

- A. people spend too much time watching television
 - B. not every country needs to have television
 - C. television can unify people from around the world
 - D. television is as important as schools
2. People have different ways of learning. Some are better at making mental pictures of new ideas. Others are more comfortable with writing lists of things to memorize. Certain people can learn best when listening to music, while others need silence to concentrate.

Which of the following is the main idea of the passage?

- A. Mental pictures help many to learn.
- B. Some people prefer lists to making mental pictures.
- C. To learn well you need to be comfortable.
- D. Different individuals have different ways of acquiring information.

3. If you hold a piece of copper wire over the flame of a wooden match, heat will be conducted by the copper wire to your fingers, and you will be forced to drop the wire. You will, however, still be able to hold the match because wood is a poor conductor of heat.

Which of the following is implied in the passage above?

- A. Copper is a good conductor of heat.
 - B. Wood and copper conduct heat equally.
 - C. Wood is an excellent conductor of heat.
 - D. Matches should be made of copper.
4. Many people own different pets. Dogs, cats, birds, and fish are common household pets. Others pets are considered to be exotic animals. These include snakes, lizards, and hedgehogs.

According to the passage, snakes are

- A. uncommon pets
 - B. likely to be found in a household with dogs
 - C. found only in zoos
 - D. not allowed in people's homes
5. Cesar Chavez was an influential leader for farmworkers. He fought for their rights and better working conditions. Chavez led many strikes that angered farm owners. Eventually he succeeded in getting increased wages and better living situations for farmworkers.

The passage indicates that Chavez changed lives by

- A. helping to end the farmworkers' strikes
 - B. fighting for the rights of farm owners
 - C. working on the farms every day
 - D. improving the conditions for farmworkers
6. When cartoonist Charles M. Schulz was a boy in elementary school, other boys teased him for being small and not very good at sports, and his art teacher told him he had no talent for drawing. He had few friends and was too shy to talk to a red-haired girl he admired. Later in life, Schulz used his childhood experiences in his comic strip *Peanuts*: the strip's main character, the sad and lonely Charlie Brown, represents Schulz as a little boy. *Peanuts* was unique at the time because it contained no adult characters. Readers fell in love with Charlie Brown, and *Peanuts* eventually became one of the most popular comic strips of all time.

What is the main idea of the passage?

- A. *Peanuts* was the world's most widely read comic strip.
- B. Schulz was a very famous cartoonist.
- C. Schulz turned the pain of his youth into success as an adult.
- D. The comic strip *Peanuts* featured children as its only characters.

7. Money has been used for thousands of years in nearly every culture as a means of exchange. However, today, the use of cash is becoming less and less common in modern societies all over the world. Every year, a higher percentage of purchases are made online, and even in stores customers are now using credit cards more often than cash. Many people today do all of their banking on the Internet rather than going to the bank in person.

The author of the passage probably assumes that

- A. cash will become virtually obsolete in the near future
 - B. using cash will become popular again
 - C. paying with credit cards all the time is dangerous
 - D. societies that do business online will struggle
8. Before giving first aid to an accident victim, you should obtain his or her consent. Asking for consent takes a simple question. Say to the victim, "I know first aid, and I can help until an ambulance arrives. Is that okay?"

According to the passage, it is wrong to

- A. use first aid on an accident victim without medical training
 - B. attempt to help an accident victim without permission
 - C. help a victim before an ambulance arrives
 - D. call for an ambulance instead of helping the victim
9. Dr. Ellen Ochoa is an inventor and is also the first female Hispanic astronaut. Her inventions include technology to help robots inspect equipment in space to maintain safety and quality control on spacecraft. Before retiring, she logged more than 1,000 hours in space across several space missions.

According to the passage, Dr. Ochoa is the first

- A. Hispanic person to travel into space
 - B. inventor to travel into space
 - C. woman to travel into space
 - D. Hispanic woman to travel into space
10. Dogs and cats make very different types of pets. Before deciding whether to buy or adopt a dog or a cat, prospective owners need to carefully consider their own lifestyles and personalities. Dogs may make more affectionate companions, but they require more care and attention. They must be taken out several times a day and should not be left alone for more than a few hours. Larger dogs require significant exercise to remain fit and healthy. Cats are usually more independent in nature and interact less with their owners. Also, a cat can be left on its own all day, or even for several days, as long as it has food and clean water to drink.

From this passage a reader can conclude that

- A. owning a cat requires less work than owning a dog
- B. people who are away from home during the day should not own a cat
- C. people who like to play with their pets should own a cat
- D. owning a cat is more responsibility than owning a dog

ESL Sentence Meaning

The ESL Sentence Meaning test measures how well you understand the meaning of sentences in English. It assesses the understanding of word meanings in one- or two-sentence contexts. The sentences are drawn from the subject areas of natural science, history/social studies, arts/humanities, psychology/human relations, and practical situations. There are four content areas measured: (a) Particle, Phrasal Verbs, Prepositions of Direction; (b) Adverbs, Adjectives, Connectives Sequence; (c) Basic Nouns and Verbs; and (d) Basic and Important Idioms.

ESL Sentence Meaning Sample Questions

Directions for questions 1–8

The sentence below has a blank space. Choose the word or phrase that makes the sentence meaningful and correct.

1. Shikibu Murasaki, who wrote almost a thousand years ago, was one of the world's _____ novelists.
 - A. most early
 - B. too early
 - C. more early
 - D. earliest
2. The Chang children _____ their parents by making sandwiches for the whole family.
 - A. helped out
 - B. helped with
 - C. helps for
 - D. helps to
3. As demonstrated by his last album, which was released after his death, Ibrahim Ferrer _____ one of the most beautiful voices in Latin music.
 - A. had
 - B. have
 - C. have had
 - D. having

4. After we saw the play, we had different opinions _____ Vincent's performance.
- about
 - at
 - for
 - to
5. Having recorded many of the most beloved songs of the 1940s, jazz singer Ella Fitzgerald _____ one of the most prominent musical performers of her time.
- had been
 - has been
 - was
 - will be
6. As we drove through the darkness, we saw another car coming _____ the bend in the road.
- through
 - under
 - over
 - around
7. Sonia is so determined and stubborn that she never _____ until she gets exactly what she wants.
- gives up
 - gives out
 - gave in
 - gave away
8. At only 43, John F. Kennedy was the _____ American president ever to be elected.
- most young
 - more young
 - youngest
 - younger

Directions for questions 9–15

Each problem contains one or two sentences followed by a question. Choose the correct answer to the question.

9. Elena found a tomato that was much bigger than all the others in the garden.
- How did the tomato compare to the others in the garden?
- It was the smallest.
 - It was not very large.
 - It was larger than some.
 - It was the largest.
10. When the popular entertainer canceled her appearance, the Latin American festival was postponed indefinitely.
- When will the festival likely take place?
- Tonight
 - Tomorrow
 - Next week
 - Many weeks later
11. Jasmine is never late to meet her friends, and sometimes arrives a few minutes early.
- Which best describes Jasmine?
- Lonely
 - Punctual
 - Talkative
 - Tardy
12. Bram Stoker is best known for his classic horror novel *Dracula*, which was published in 1897.
- What did Bram Stoker do?
- He was a doctor.
 - He was a merchant.
 - He was a writer.
 - He was an engineer.
13. Exhausted from her transatlantic flight, Judy could not stay up past 9 p.m.
- What did Judy do at 9 p.m.?
- Leave work
 - Come home from the airport
 - Get on an airplane
 - Go to bed
14. Eliot sleeps late whenever he can, leaves work early, and never does anything unless he absolutely has to.
- Which best describes Eliot?
- Boring
 - Lazy
 - Selfish
 - Tired.
15. Juanita rushed to her dance class and burst through the door in the nick of time.
- When Juanita got to her dance class, she was
- very early
 - very late
 - nearly late
 - a little late

ESL Language Use

The ESL Language Use test measures your proficiency in using correct grammar in English sentences. There are five content areas measured on this test: (a) Nouns, Pronouns, Pronoun Case Structure; (b) Subject-Verb Agreement; (c) Comparatives, Adverbs, Adjectives; (d) Verbs; and (e) Subordination/Coordination.

ESL Language Use Sample Questions

Directions for questions 1–10

The sentence below has a blank space. Choose the word or phrase that makes a grammatically correct sentence.

- _____ washing his sweater, Jacob hung it up to dry.
 - After
 - Before
 - By
 - Until
- Dr. O'Hara is certain that some day, men and women will _____ to Mars.
 - travel
 - travels
 - traveling
 - traveled
- Water _____ at a temperature of zero degrees Celsius.
 - having frozen
 - freezing
 - freeze
 - freezes
- _____ you get a new haircut?
 - Have
 - Does
 - Are
 - Did
- Jacques Cousteau will be remembered for his inventions and for _____ to marine science.
 - dedication
 - his dedication
 - being dedicated
 - his being dedicated
- The children, who were tired of traveling, kept asking, "When _____ we get to the hotel?"
 - have
 - will
 - did
 - are
- Galileo is most famous _____ that Earth revolves around the Sun, rather than the other way around.
 - for having discovered
 - for discovery
 - his discovery
 - in discovering
- Men and women sometimes have difficulty understanding each other because they _____ differently.
 - communicate
 - communicated
 - have communicated
 - communicates
- _____ you can speak more than one language, you have the opportunity to make more new friends.
 - So
 - Before
 - When
 - Though
- Light _____ faster than sound, which is why you see lightning before you hear the thunder.
 - traveling
 - travels
 - having traveled
 - will travel

Directions for questions 11–15

Read the two sentences below and choose the best way of combining them.

- Lisa plays the piano. Her sister Kelly plays the piano, too.
 - Lisa and her sister Kelly plays the piano.
 - Both Lisa and her sister Kelly play the piano.
 - Lisa plays the piano and Kelly plays the piano.
 - Lisa and Kelly too play the piano.
- Kazuko took her dog for a walk. They went to the park.
 - Kazuko, going to the park, took her dog for a walk.
 - Kazuko took her dog for a walk to the park.
 - Kazuko took her dog for a walk because they went to the park.
 - Kazuko and her dog went to the park, where she and the dog walked.

13. We knew it might get chilly at the football game. We brought along some extra blankets.
- A. We knew it might get chilly at the football game when we brought along some extra blankets.
 - B. Bringing along some extra blankets, we knew it might get chilly at the football game.
 - C. We brought along some extra blankets because we knew it might get chilly at the football game.
 - D. It got chilly at the football game and we brought along some extra blankets.
14. Juan loves to play baseball. His friend Miguel enjoys baseball, too.
- A. Both Juan and his friend Miguel enjoy playing baseball.
 - B. Juan and his friend Miguel enjoys playing baseball.
 - C. Juan enjoys playing baseball and his friend Miguel, too.
 - D. Juan loves baseball and Miguel too enjoys baseball.
15. Wolves are pack animals. They are rarely spotted alone.
- A. Wolves are rarely spotted alone if they are pack animals.
 - B. Being pack animals, wolves are rarely spotted alone.
 - C. After being pack animals, wolves are rarely spotted alone.
 - D. Wolves are rarely spotted alone, although they are pack animals.

ESL ANSWER KEY

ESL Language Use	
Question	Answer
1	A
2	A
3	D
4	D
5	B
6	B
7	A
8	A
9	C
10	B
11	B
12	B
13	C
14	A
15	B

ESL Sentence Meaning	
Question	Answer
1	D
2	A
3	A
4	A
5	C
6	D
7	A
8	C
9	D
10	D
11	B
12	C
13	D
14	B
15	C

ESL Reading Skills	
Question	Answer
1	C
2	D
3	A
4	A
5	D
6	C
7	A
8	B
9	D
10	A

AACC Arithmetic Health Sciences/Biology Placement

The *Arithmetic Placement Test* is designed to determine whether a student has sufficient arithmetic skills.

The following problems are similar to those given on the screening test. If you take some time to practice, your score will surely be higher. The answers to the problems appear at the end of this material.

This screening test is timed (1 hour) so your practice should be for accuracy and speed. There are thirty-six problems on the test and a **score of 27 or better** is passing. Only one retake of the test is allowed. **Students who are not successful in the retake must enroll in MAT 005. Calculators will not be permitted.**

Whole Number Arithmetic:

1.
$$\begin{array}{r} 4875 \\ + 1928 \\ \hline \end{array}$$

2.
$$\begin{array}{r} 8073 \\ - 1584 \\ \hline \end{array}$$

3.
$$\begin{array}{r} 38 \\ \times 27 \\ \hline \end{array}$$

4.
$$15 \overline{)3105}$$

5. Write the lowest terms:

$$\frac{30}{45}$$

6. Circle the largest fraction:

$\frac{4}{5}$ or $\frac{7}{10}$ or $\frac{2}{3}$

7. Add:

$$3\frac{1}{2} + \frac{5}{8}$$

8. Multiply:

$$2\frac{1}{8} \times 16$$

9. Divide $6 \div \frac{1}{2}$

10. Mary used $\frac{2}{3}$ of her savings to make a down payment on a new car. If her savings were \$2,400, how much did she put down?

11. Write in decimal form: $\frac{5}{8} =$

12. Add: $3.2705 + 4.02 + 13.315$

13. Multiply: $360 \times 1.2 =$

14. Which number is the largest?
0.0054, 0.001, 0.07, 1.0

15. 7.5×10^{-3} is equal to?

16. $7.62 \times 4.7 =$

17. Divide: $360 \div 1.2$

18. Express: 37% as a decimal

19. Express: 0.03 as a percent

20. Express: 13% as a fraction

21. If 40% of the thirty patients in a certain clinic have headaches, how many have headaches?

22. What should "r" be in order to have:

$$\frac{r}{5} = \frac{18}{30} ?$$

23. If it takes 4 cups of water to fill three glasses, how many cups will be needed to fill nine of the same glasses?

24. In a rural county 350 residents signed up for the armed forces. The breakdown of numbers for each branch is found in the table below. What percent of residents signed up for the Air Force? (Round your answer to two decimal places)

ARMY	NAVY	AIR FORCE	MARINE S
70	56	64	160

25. A farmer tries to save space by putting cows and sheep together in a ratio 3:4 respectively. If the farmer gets 15 cows, how many sheep must have to keep the same ratio?

Determine the value of X in the following:

26. $3:2 = x:6$ 27. $\frac{x}{27} = \frac{3}{5}$

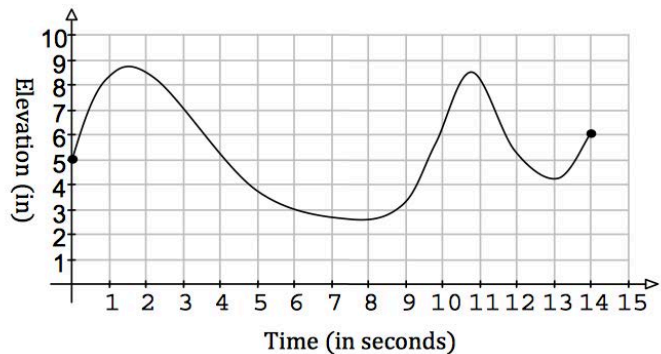
28. $\frac{5}{7} = \frac{25}{x}$ 29. $\frac{6}{100} = \frac{x}{100}$

30. $\frac{1.2}{3.5} = \frac{10}{x}$ (Round your answer to two decimal places)

31. Evaluate:
 $10x - 6y$, if $x = 0.9$ and $y = 2.5$

Graph Interpretation:

A buoy is bouncing up and down on the waves. The following graph depicts its elevation over a certain period of time.



32. What is the buoy elevation at 3 seconds?

33. Referring to the graph above, what is the independent variable?

ARITHMETIC ANSWER KEY

AACC Arithmetic Test	
Question	Answer
1	6803
2	6489
3	1026
4	207
5	2/3
6	4/5
7	4 1/8
8	34
9	12
10	\$1,600
11	0.625
12	20.6055
13	432
14	1.0
15	0.0075
16	35.814
17	300
18	0.37
19	3%
20	13/100
21	12 Patients
22	3
23	12 Cups
24	18.29%
25	20
26	9
27	16.2
28	35
29	6
30	29.17
31	-6
32	7 in.
33	time

The Allied Health and Arithmetic questions provided Anne Arundel Community College © 2019

Notes

Notes

Notes

How did we do?



Please let us know about your experience in the testing center after you have completed the ACCUPLACER.

Your feedback is important!

Scan or visit:

<https://www.research.net/s/WKXH7RL>

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