

Student Name:

Zactly Clinical Academy

Basic Math, English, and Language Assessment

Students wishing to register for the Zactly Clinical Academy QMAP Certification Course must achieve a perfect score (100%) on this competency to secure their seat in the class.

Mathematics

This section determines how well you can perform basic math problems and solve operations that involve the fundamental principals of math. There are 10 questions in this section, and they are divided into 3 categories.

1. Operations with whole number and fractions
 2. Operations with decimals and percent's
 3. Applications and problem solving
-
1. $2.75 + 0.003 + 0.158 =$
 - a. 4.36
 - b. 2.911
 - c. 0.436
 - d. 2.938
 2. $7.86 \times 4.6 =$
 - a. 36.156
 - b. 36.216
 - c. 351.56
 - d. 361.56
 3. $7/20 =$
 - a. 0.035
 - b. 0.858
 - c. 0.35
 - d. 3.5
 4. Which of the following is the least?
 - a. 0.105
 - b. 0.501
 - c. 0.015
 - d. 0.15
 5. All of the following are ways to write 25 percent of N EXCEPT
 - a. $0.25 N$
 - b. $25N / 100$
 - c. $\frac{1}{4} N$
 - d. $25 N$



6. Which of the following is closest to 27.8×9.6 ?
- 280
 - 300
 - 2800
 - 3000
7. A soccer team played 160 games and won 65% of them. How many games did they win?
- 94
 - 104
 - 114
 - 124
8. Three people who work full-time are to work together on a project, but their total time on the project is to be equivalent to that of only one person working full-time. If one of the people is budgeted for one-half of his time to the project and a second person for one-third of her time, what part of the third worker's time should be budgeted to this project?
- 13.3%
 - 35.2%
 - 16.7%
 - 18.7%
9. 32 is 40 percent of what number?
- 12.8
 - 128
 - 90
 - 800
10. $313 - 225 =$
- 112
 - 115
 - 88
 - 1115



Reading Comprehension Test

Read the statement or passage and then choose the best answer to the question. Answer the question based on what is stated or implied in the statement or passage.

1. In the words of Thomas DeQuincey, "It is notorious that the memory strengthens as you lay burdens upon it." If, like most people, you have trouble recalling the names of those you have just met, try this: The next time you are introduced, plan to remember the names. Say to yourself, "I'll listen carefully; I'll repeat each person's name to be sure I've got it, and I will remember." You will discover how effective this technique is and probably recall those names for the rest of your life.

The main idea of the paragraph maintains that the memory

- a. Always operates at peak efficiency
- b. Breaks down under great strain
- c. Improves if it is used often
- d. Becomes unreliable if it tires

2. Unemployment was the overriding fact of life when Franklin D. Roosevelt became president of the United States on March 4, 1933. An anomaly of the time was that the government did not systematically collect statistics of joblessness; actually, it did not start doing so until 1940. The Bureau of Labor Statistics later estimated that 12,830,00 people were out of work in 1933, about one-fourth of a civilian labor force of more than 51 million. Roosevelt signed the Federal Emergency Relief Act on May 12, 1933. The president selected Harry L. Hopkins, who headed the New York relief program, to run FERA. A gifted administrator, Hopkins quickly put the program into high gear. He gathered a small staff in Washington and brought the state relief organizations into the FERA system. While the agency tried to provide all the necessities, food came first. City dwellers usually got an allowance for fuel and rent for one month was provided in case of eviction.

This passage is primarily about

- a. Unemployment in the 1930s
 - b. The effect of unemployment on United States families
 - c. President Franklin D. Roosevelt's presidency
 - d. Present Roosevelt's FERA program
3. It is said that a smile is universally understood. And nothing triggers a smile more than universally than a taste of sugar. Nearly everyone loves sugar. Infant studies indicate that humans are born with an innate love of sweets. Based on statistics, a lot of people in Great Britain must be smiling because on average, every man, woman, and child in that country consumes 95 pounds of sugar each year.

From this passage it seems safe to conclude that the English:

- a. Do not know that too much sugar is unhealthy
- b. Eat desserts at every meal
- c. Are fonder of sweets than most people
- d. Have more cavities than any other people



4. With varying success, many women around the world today struggle for equal rights. Historically, women have achieved greater equality with men during periods of social adversity. The following factors initiated the greatest number of improvements for women: violent revolution, world war, and the rigors of pioneering in an undeveloped land. In all three cases, the essential element that improved the status of women was a shortage of men, which required women to perform many of society's vital tasks.

We can conclude from the information in this passage that

- a. Women today are highly successful in winning equal rights
- b. Only pioneer women have been considered equal to men
- c. Historically, women have only achieved equality through force
- d. Historically, the principle of equality alone has not been enough to secure women equal rights

5. In 1848, Charles Burton of New York City made the first baby carriage, but people strongly objected to the vehicles because they said the carriage operators hit too many pedestrians. Still convinced that he had a good idea, Burton opened a factory in England. He obtained orders for the baby carriages from Queen Isabella II of Spain, Queen Victoria of England, and the Pasha of Egypt. The United States had to wait another 10 years before it got a carriage factory, and only 75 carriages were sold in the first year.

Even after the success of baby carriages in England,

- a. Charles Burton was a poor man
- b. Americans were still reluctant to buy baby carriages
- c. Americans purchased thousands of baby carriages
- d. The United States bought more carriages than any other country.

6. All water molecules form six-sided structures as they freeze and become snow crystals. The shape of the crystal is determined by temperature, vapor, and wind conditions in the upper atmosphere. Snow crystals are always symmetrical because these conditions affect all six sides simultaneously.

The purpose of the passage is to present

- a. A personal observation
- b. A solution to a problem
- c. Actual information
- d. Opposing scientific theories.



Directions for questions 7-10: For the questions that follow, two underlined sentences are followed by a question or statement. Read the sentences, then choose the best answer to the question or the best completion of the statement.

7. The Midwest is experiencing its worst drought in 15 years.
Corn and soybean prices are expected to be very high this year.

What does the second statement do?

- a. It restates the idea found in the first.
- b. It states an effect
- c. It gives an example
- d. It analyzes the statement made in the first.

8. Social studies classes focus on the complexity of our social environment.
The subject combines the study of history and the social sciences and promotes skills in citizenship.

What does the second sentence do?

- a. It expands on the first sentence
- b. It makes a contrast
- c. It proposes a solution
- d. It states an effect

9. Knowledge of another language fosters greater awareness of cultural diversity among peoples of the world.
Individuals who have foreign language skills can appreciate more readily other peoples' values and ways of life.

How are the two sentences related?

- a. They contradict each other.
- b. They present problems and solutions
- c. They establish a contrast
- d. They repeat the same idea

10. Serving on a jury is an important obligation of citizenship.
Many companies allow their employees paid leaves of absence to serve on juries.

What does the second sentence do?

- a. It reinforces what is stated in the first.
- b. It explains what is stated in the first.
- c. It expands on the first.
- d. It draws a conclusion about what is stated in the first.



Sentence Skills Test

The 20 questions in this test are of two main types:

1. **Sentence Correction:** These questions require an understanding of sentence structure. You are asked to choose the most appropriate word or phrase for the underlined portion of the sentence.
2. **Construction Shift:** These questions ask you to rewrite a sentence according to the criteria shown, while keeping the same meaning as the original sentence.

Within these two main categories, the questions are also classified by the skills being tested. Some questions deal with the logic of a sentence. Some focus on whether the answer is a complete sentence. Others consider the relationship between coordination and subordination.

Directions for question 1-5: Select the best version of the underlined part of the sentence. The first choice is the same as the original sentence. If you think the original sentence is best, choose the first answer.

1. Stamp collecting being a hobby that is sometimes used in schools to teach economics and social studies.
 - a. Being a hobby that is
 - b. Is a hobby because it is
 - c. Which is a hobby
 - d. Is a hobby
2. Knocked sideways, the statue looked as if it would fall.
 - a. Knocked sideways, the statue looked
 - b. The statue was knocked sideways, looked
 - c. The statue looked knocked sideways
 - d. The statue, looking knocked sideways,
3. To walk, biking, and driving are Pat's favorite ways of getting around.
 - a. To walk, biking, and driving
 - b. Walking, biking, and driving
 - c. To walk, biking, and to drive
 - d. To walk, to bike, and also driving
4. When you cross the street in the middle of the block, this is an example of jaywalking.
 - a. When you cross the street in the middle of the block, this
 - b. You cross the street in the middle of the block, this
 - c. Crossing the street in the middle of the block
 - d. The fact that you cross the street in the middle of the block
5. Walking by the corner the other day, a child, I noticed, was watching for the light to change.
 - a. a child, I noticed, was watching
 - b. I noticed a child watching
 - c. A child was watching, I noticed,
 - d. There was, I noticed, as a child watching



Directions for questions 6-10: Rewrite the sentence in your head follow the directions given below. Keep in mind that your new sentence should be well written and should have essentially the same meaning as the original sentence.

6. It is easy to carry solid objects without spilling them, but the same cannot be said of liquids.
Rewrite, beginning with Unlike liquids, the next words will be:
 - a. It is easy to
 - b. We can easily
 - c. Solid objects can easily be
 - d. Solid objects are easy to be
7. Although the sandpiper is easily frightened by noise and light, it will bravely resist any force that threatens its nest.
Rewrite, beginning with The sandpiper is easily frightened by noise and light, the next words will be:
 - a. But it will bravely resist
 - b. Nevertheless bravely resisting
 - c. And it will bravely resist
 - d. Even if bravely resisting.
8. If he had enough strength, Todd would move the boulder.
Rewrite, beginning with Todd cannot move the boulder the next words will be:
 - a. When lacking
 - b. Because he
 - c. Although there
 - d. Without enough
9. The band began to play, and then the real party started.
Rewrite, beginning with The real party started the next words will be:
 - a. After the bad began
 - b. And the band began
 - c. Although the band began
 - d. The band beginning
10. Chris heard no unusual noises when he listened in the park.
Rewrite, beginning with Listening in the park.
The next words will be
 - a. No unusual noises could be heard
 - b. Then Chris heard no unusual noises
 - c. And hearing no unusual noises
 - d. Chris heard no unusual noises

After filling in all bubbles on this testing form please save your document and email it to tcaudle@zactlyes.com for grading. Additionally send a valid form of ID proving course minimum age of 18 years. When ID, Testing, and Payment have been completed you will receive a notification email from Zactly confirming your spot in the class.

