

Study Guide – Carpentry and Painting

How the written exam works:

As the first step of the application process for any of ABC NorCal's apprenticeship programs, you will be scheduled to take a written exam. This exam consists of three parts (Reading, Math, and Language) and it is timed. You will need to pass each section of the exam with a score of 70% or better to move on to the next step of the application process.

Instructions for this study guide:

There are only a couple of questions in each section for this study guide. These questions are like what will be on the exam. The answers are at the end of the exam.

Exam Guidelines:

Below is the outline of the test is going to go. Total time for test day is going to be approximately 4 hours and 55 minutes. Please make sure that you plan accordingly for the day of the test.

- Reading –
 - Part 1 – is 55 minutes long
 - Part 2 – is 75 minutes long
- Math – you can have scratch paper
 - 75 minutes long
- Language –
 - 75 minutes long

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Reading Practice Test

1) Which word has a short e vowel sound?

- A. Bed
- B. Dream
- C. Near
- D. Seed

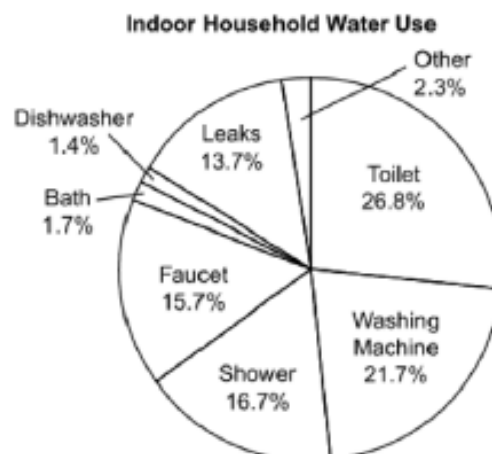
Read this article. Then answer questions 2 through 5.

Saving Water

It has been said that water is the new oil. For many years, countries have fought to control rights to oil. Like oil, clean water is a natural resource. And while water is considered to be a renewable resource, it can be difficult to recycle for human consumption. People can live without oil, but they cannot survive without water.

Over the past fifty years, the population of the United States has doubled. During the same amount of time, water use has tripled. Today, at least 36 states are short on water. People must work to save water. If they don't, they will soon not have enough. The cost of water will rise. It will not be easy to buy. Countries will elbow each other for rights to the water that remains.

There is good news, however. People can make changes to save water. Think about simple tasks such as brushing teeth, shaving, or washing dishes. Leaving the water running while doing these tasks wastes a precious resource. Running dishwashers and washing machines that are not full also wastes thousands of gallons of water. Even shower length is important. Taking showers that are two minutes shorter can save hundreds of gallons a month.



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There are also ways to reuse water. Even water that seems dirty can be used again. For example, don't dump the water from a fish tank or a pet bowl. Instead, use it to water the plants. Fish water is full of nutrients. It will help the plants grow. Rainwater can be collected in a barrel or from gutters. Then it can be used to water plants and grass. People can wash the car or the dog on the lawn. This way, the grass gets watered at the same time. Also, think about replacing grass in some areas. Ground cover is a nice addition. Walkways or patios are helpful. And they add living space to homes.

Saving water is important. Doing so also saves money. Little leaks in pipes, taps, or pools can be expensive. If the water bill suddenly goes up, there may be a new leak. Listen for dripping. It's also easy to check the toilet. Put a few drops of food coloring in the tank. Then let the toilet sit without flushing. See if the water in the bowl gets colored. This means there is a leak in the seal.

Businesses and schools can also take steps to save water. They can replace equipment and change the way they do things. People can encourage these changes. Let businesses know that saving water saves money. In addition, the government may offer rebates for such changes.

People should try to save water whenever possible. Otherwise, the supply will soon run low. Be thoughtful about water use. It can make a big difference, both now and for the future.

- 2) According to the article, which of these explains what will happen if people do not save water?
- A. The population will decrease.
 - B. Other countries will sell water.
 - C. The price of water will increase.
 - D. People will be able to use dishwashers.
- 3) **Part A** – What is the main idea of this article?
- A. Water is as important as oil, so it should be used wisely.
 - B. When people make changes to save water, they also save money.
 - C. There are many ways to save water, an important natural resource.
 - D. If people waste water today, the supply of water will run low in the future.

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Part B - Which two sentences support the answer to Part A?

- A. "For many years, countries have fought to control rights to oil."
 - B. "If they don't, they will soon not have enough."
 - C. "The cost of water will rise."
 - D. "Taking showers that are two minutes shorter can save hundreds of gallonsmonth."
 - E. "Rainwater can be collected in a barrel or from gutters."
 - F. "Little leaks in pipes, taps, or pools can be expensive."
- 4) Look at the pie chart in the article. Which section of the pie chart most clearly supports the information in paragraph 5 (Saving water is important) of the article?
- A. the section of the pie chart labeled "Leaks"
 - B. the section of the pie chart labeled "Toilet"
 - C. the section of the pie chart labeled "Shower"
 - D. the section of the pie chart labeled "Faucet"
- 5) Which of the best states the author's opinion about water conservation?
- A. Fixing leaks will raise water costs.
 - B. People should always wash their cars on the lawn.
 - C. There are only a few simple tasks required to save water.
 - D. Reducing water use now is important for future generations.
- 6) Which of these words has two syllables?
- A. animal
 - B. best
 - C. playful
 - D. playdown

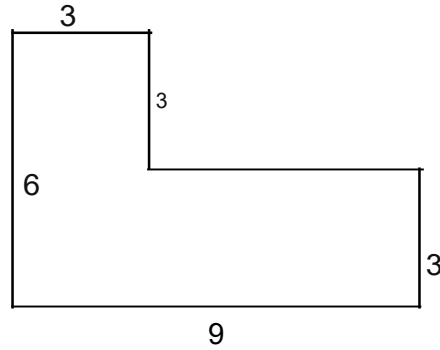
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- 7) Which word has three syllables?
- A. direction
 - B. downstairs
 - C. listen
 - D. lonely
- 8) Read this sentence. *The car wash cleaned the dirt off the car's paint.* Which word from the sentence has a long *a* vowel sound?
- A. car
 - B. wash
 - C. clean
 - D. paint
- 9) Which word has the same vowel sound as the word *coat*?
- A. beast
 - B. joke
 - C. vest
 - D. honk
- 10) Which of these words has a long vowel sounds?
- A. jail
 - B. rat
 - C. tub
 - D. dog

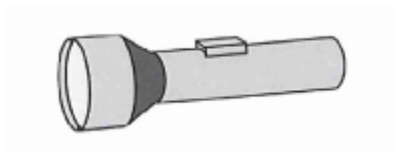
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Math Practice Test

- 1) Look at the figure. What is the area of the figure?



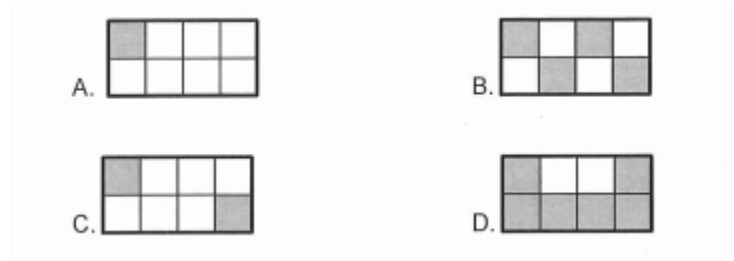
- A. 24 square units
B. 27 square units
C. 36 square units
D. 54 square units
- 2) Look at the picture of the flashlight. Which of these is the best estimate of the length of the flashlight?



- A. 9 feet
B. 90 meters
C. 9 inches
D. 90 centimeters

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- 3) Which rectangle is shaded to show $\frac{6}{8}$?



- 4) A chef at a restaurant can buy a new kitchen table for \$400. She can buy the same table used for \$156 less. Which of these is the price of the used kitchen table?

- A. \$234
- B. \$244
- C. \$356
- D. \$556

- 5) Tiffany works at a nail salon. In the first week, she has 38 clients. In the second week, she has 12 clients on Monday, 11 clients on Tuesday, and 9 clients on Wednesday. There are no clients on Thursday and Friday.

How many fewer clients does Tiffany have in the second week than in the first week?

- A. 6
- B. 8
- C. 16
- D. 18

- 6) At a picnic, 3 people share 15 strawberries equally. How many strawberries does each person get?

- A. 3
- B. 5
- C. 12
- D. 45

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7) Which number is equal to $\frac{6}{2}$?

A. $\frac{1}{4}$

B. $\frac{1}{3}$

C. 3

D. 4

8) Multiply $8 \times 4 =$

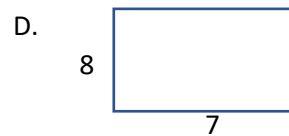
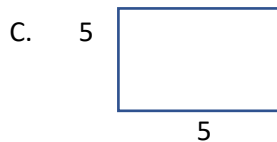
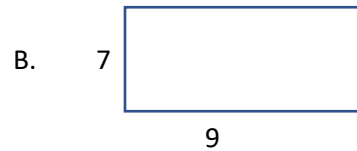
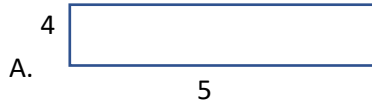
A. 4

B. 23

C. 32

D. 45

9) A rectangle has an area of 56 square inches. Which of these could be the dimensions of the rectangle?



10. Solve: $8 \times 80 =$

A. 46

B. 88

C. 620

D. 640

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Language Practice Test

- 1) Read the sentence. Which word best completes the sentence?

Andy_____his favorite shoes.

- A. choose
- B. chose
- C. chased
- D. chosen

- 2) Read the sentence. Which word best completes the sentence?

Stewart and John _____ both trumpet players.

- A. am
- B. are
- C. is
- D. Was

- 3) Read the sentence. Which word correctly completes the sentence?

There is a funny story in _____ newspaper.

- A. todays'
- B. today's
- C. todayes'
- D. todaye's

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4) Read the sentence. Which word or phrase correctly completes the sentence?

Many people today drive their cars less often _____ the cost of gas is too high.

- A. but
- B. in fact
- C. because
- D. even though

5) Which sentence is written correctly?

- A. The movie was bored to me.
 - B. She sang real loud in the shower.
 - C. It became sunny in the afternoon.
 - D. He thought the book very interested.
- 6) Teri is writing a paragraph about how to make homework easier. This is the paragraph so far:

First get ready to work. Gather everything that you need, such as your notebooks, books, and pencils. Eat something if you are hungry. 1 find a quiet place to work. While you work, do not stop to talk, or play a game. However, ask for help if you need it. 2 check your work. Then gather your belongings and pack up. Now you are ready for tomorrow.

Teri needs to add some words to link ideas and make the paragraph better.

Part A - Which word would best fit in blank 1?

- A. But
- B. Instead
- C. Next
- D. So

Part B - Which word would best fit in blank 2?

- A. Finally
- B. For example
- C. Still
- D. Yet

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- 7) Read the word: *eat* Which of these is the past tense of eat?
- A. eats
 - B. ate
 - C. feed
 - D. will eat
- 8) Which of these has the correct punctuation?
- A. Dear, Ms. Andrews,
 - B. Dear, Ms. Andrews
 - C. Dear Ms., Andrews
 - D. Dear Ms. Andrews,
- 9) Which underlined word in the sentence is written correctly?
- A. My friends have'nt yet come over.
 - B. My friends haven't yet come over.
 - C. My friends haven't yet come over.
 - D. My friends havent' yet come over.
- 10) Read the sentence: The flower was _____ in the morning sunlight.
- Which word best completes the sentence?
- A. large
 - B. gone
 - C. slippery
 - D. sparkling

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ANSWER KEY

Reading:

1. A
2. C
3. Part A – C
Part B – D & E
4. A
5. D
6. C
7. A
8. D
9. B
10. A

Math:

1. C
2. C
3. D
4. B
5. A
6. B
7. C
8. C
9. D
10. D

Language:

1. B
2. B
3. B
4. C
5. C
6. Part A – C
Part B – A
7. B
8. D
9. A
10. D