

SAMPLE WRITTEN EXAM QUESTIONS

UNDERSTANDING ORAL INFORMATION

The following scenario is a sample oral passage followed with sample questions. The oral passage during the firefighter exam will be longer. This section of the test is designed to measure listening and comprehension skills. Candidates cannot take handwritten notes while the oral passage is read.

Have someone read the oral passage to you and then you answer the sample questions.

Sample Oral Passage

On January 15th, Carrie Lee, a new employee hired by the Purchasing Department, reports for work at 9:00 a.m. Carrie will normally work a 9-hour workday, Monday through Friday, but her first workday is shorter. Upon Carrie's arrival, she is greeted by another employee, Jackson Ford, who gives Carrie a tour of the office and introduces her to the staff. Jackson's supervisor, Robert Moorely, meets with Ms. Lee to provide an overview of her job and the work environment. Mr. Moorely, then asked his assistant to bring Carrie to her work station to get settled in. After Carrie arranges her work station and gets acclimated to her surroundings, she reports to the Human Resources Department at 10:00 a.m. for an orientation. During the new employee orientation, Human Resources Specialist Melanie Stewart explains to Ms. Lee her benefit options and processes her new hire paperwork. The next day, Carrie reports for work at 7:30 a.m., her regular schedule, takes lunch from 12:00 p.m. to 12:30 p.m., and leaves the office at 5:00 p.m.

DIRECTIONS: Answer the following questions based on the oral passage read to you:

1. Who is Jackson Ford's supervisor?
 - a. Robert Moorely
 - b. Robert Moore
 - c. Richard Morelle
 - d. Ronald Morelle

2. What time does Carrie usually report for work?
 - a. 7:30 a.m.
 - b. 8:00 a.m.
 - c. 8:30 a.m.
 - d. 9:00 a.m.

3. Which department does Carrie work for?
 - a. Finance
 - b. Human Resources
 - c. Payroll
 - d. Purchasing

4. What is Melanie Stewart's occupation?
 - a. Assistant
 - b. Human Resource Specialist
 - c. Supervisor
 - d. Purchasing Officer

MATHEMATICS

DIRECTIONS: This section of the test is designed to measure your mathematical skills.

1. 15 divided by what number equals 100?
 - a. 0.10
 - b. 0.15
 - c. 1.00
 - d. 1.50

2. 61,288 plus 57.04 equals
 - a. 61,293.04
 - b. 61,345.04
 - c. 61,858.04
 - d. 66,992.00

3. When coupling hoses together, ____ 50-foot hoses and ____ 75-foot hoses will result in a length of 575 feet.
 - a. 5, 4
 - b. 4, 4
 - c. 5, 5
 - d. 4, 5

4. $\frac{2}{3}$ of 50% equals
 - a. 0.333
 - b. 0.666
 - c. 00.75
 - d. 33.00

UNDERSTANDING WRITTEN MATERIAL

DIRECTIONS: The following questions are designed to measure your ability to read and understand written material. Read the material below and the answer the sample questions based only on the material read and not on any prior knowledge you may have.

Safety at Home

According to the California Department of Forestry and Fire Protection, “Homeowners Responsibility is key to fire safety whether it be Outside the Home, or Inside the Home. Outside, wildland fire safety begins with creating and maintaining clearance around your home; cutting weeds and dry grass before 10 a.m. when the humidity is higher and temperatures cooler to reduce the chance of fire; and following proper guidelines for burning debris on your property, or when enjoying a campfire. Inside, basic fire safety begins with checking the battery in your smoke detector; practicing fire drills with your family; ensuring that your burglar bars have quick release mechanisms; and keeping working fire extinguishers available.”

A checklist created by the California Department of Forestry and Fire Protection focuses of these areas outside the home: 1) design/construction, 2) access, 3) roof, 4) landscape, 5) yard, and 6) emergency water supply; areas focused on inside the home are: 1) kitchen, 2) living room, 3) hallway, 4) bedroom, 5) bathroom, and 6) garage.

Disaster preparedness includes some of these key elements: 1) keeping an adequate supply of drinking water on hand along with non-perishable foods; 2) a stock of emergency equipment including portable radio, batteries, flashlight, cooking equipment, and portable lantern; 3) first aid supplies; 4) an emergency list of items needed in case of evacuation; 5) protecting family members by educating them on responding to emergency situations including STOP, DROP, AND ROLL; 6) strapping water heater and tall furniture that may fall such as bookcases and; 7) designating an emergency communication system for where to meet and how to contact family members and friends.

A short list of inside safety tips include: 1) keeping a fire extinguisher in the kitchen; 2) maintaining fireplace chimney and flues annually; 3) installing smoke detectors; 4) refrain from smoking in bed; 5) disconnecting electronic accessories such as hair dryer and curling iron – store in a safe place until cooled; and 6) storing combustibles properly.

For outside areas, some safety tips are: 1) using fire resistant materials; 2) posting your home address so that it’s visible to safety personnel; 3) removing dead leaves and needles from your roof and gutters; 4) create a “defensible space” by removing all flammable vegetation at least 100 feet from all structures; 5) stack woodpiles at least 30 feet from all structures and remove vegetation within 10 feet of woodpiles; and 6) create easy firefighter access to your closest emergency water source.

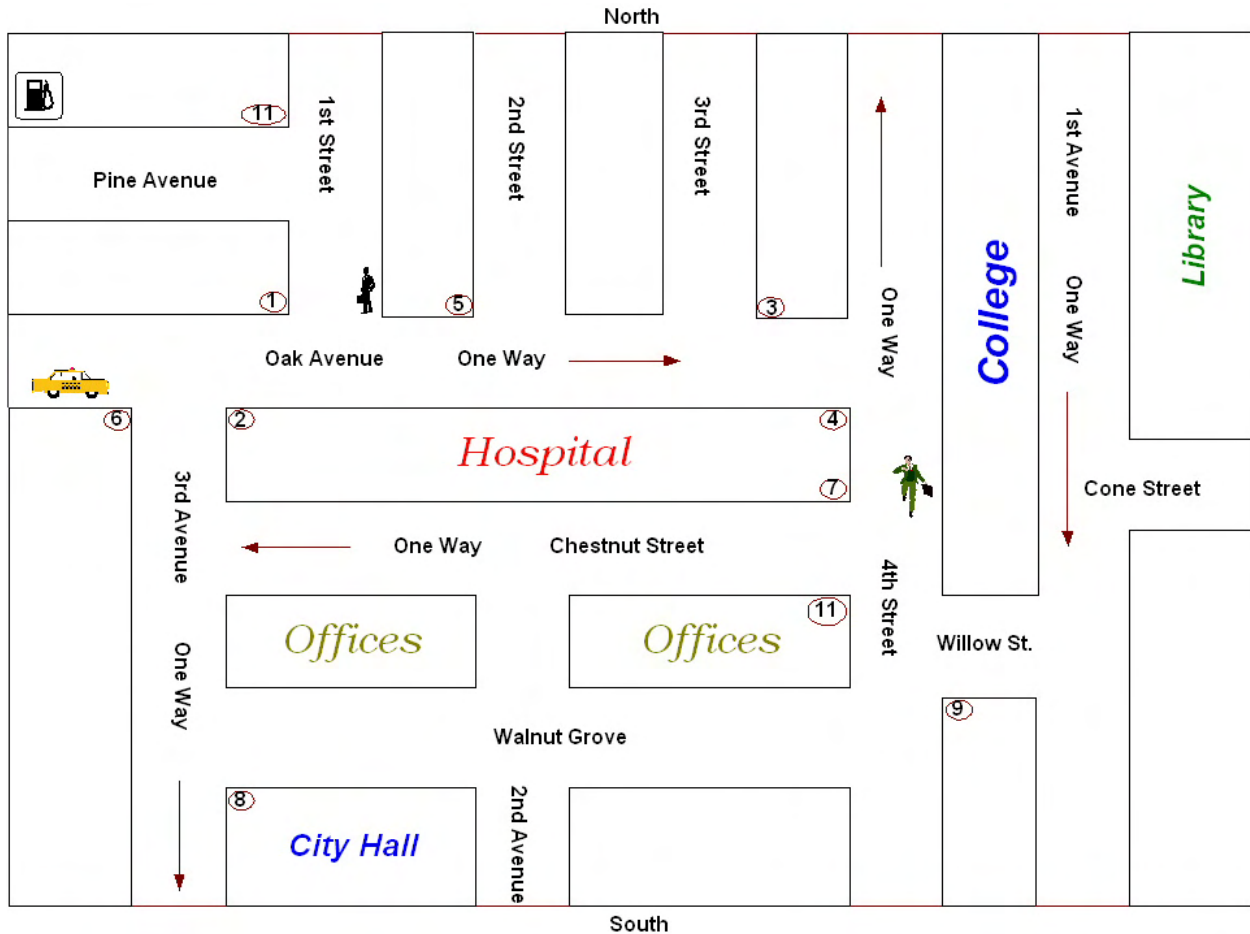
1. At what distance should firewood be stored away from the home?
 - a. 10 feet
 - b. 20 feet
 - c. 30 feet
 - d. 40 feet

2. When is the best time to clear bush?
 - a. at dusk
 - b. on a hot day
 - c. when humidity is low
 - d. early in the morning

3. A disaster can occur when
 - a. flammable materials are stored improperly.
 - b. dead leaves are piled high against a home.
 - c. an emergency water source is hard to reach.
 - d. All of the above.

MAP, DIAGRAMS, AND MECHANICAL DRAWINGS

DIRECTIONS: This section is designed to test your skill in visualizing objects, map reading, and how parts of objects relate to each other.



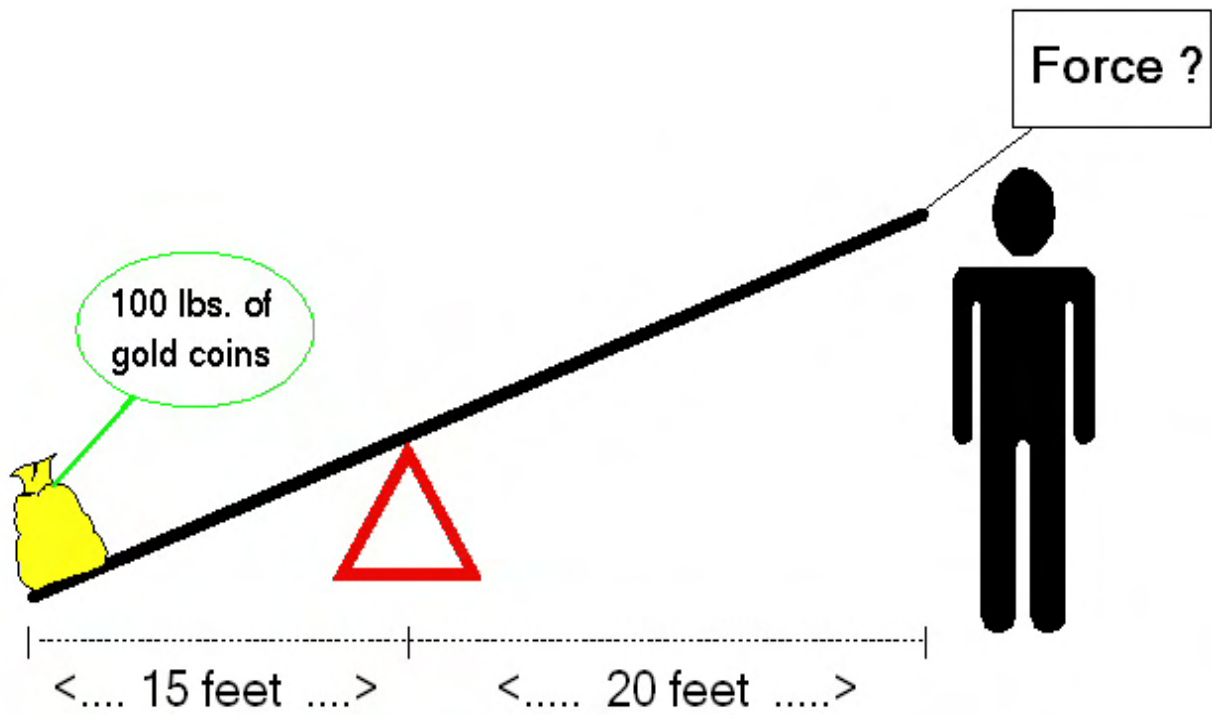
Using the city map, answer the following questions:

1. You are facing South on 1st Street and turn on Oak Avenue until you reach the next one way street which is
 - a. 3rd Street.
 - b. 1st Avenue.
 - c. 4th Street.
 - d. Chestnut Street.

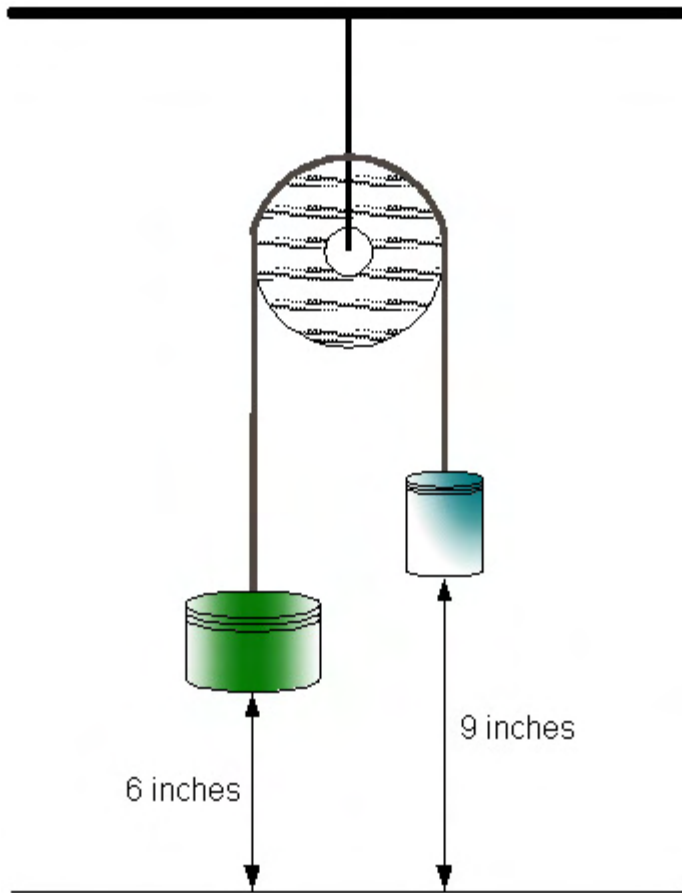
2. Corner 2 faces which direction?
 - a. Southwest
 - b. Northwest
 - c. Northeast
 - d. Southwest

3. Corner 8 is located at what intersection?
 - a. Oak Avenue and 3rd Avenue
 - b. Chestnut Street and 4th Street
 - c. 1st Avenue and Cone Street
 - d. 3rd Avenue and Walnut Grove

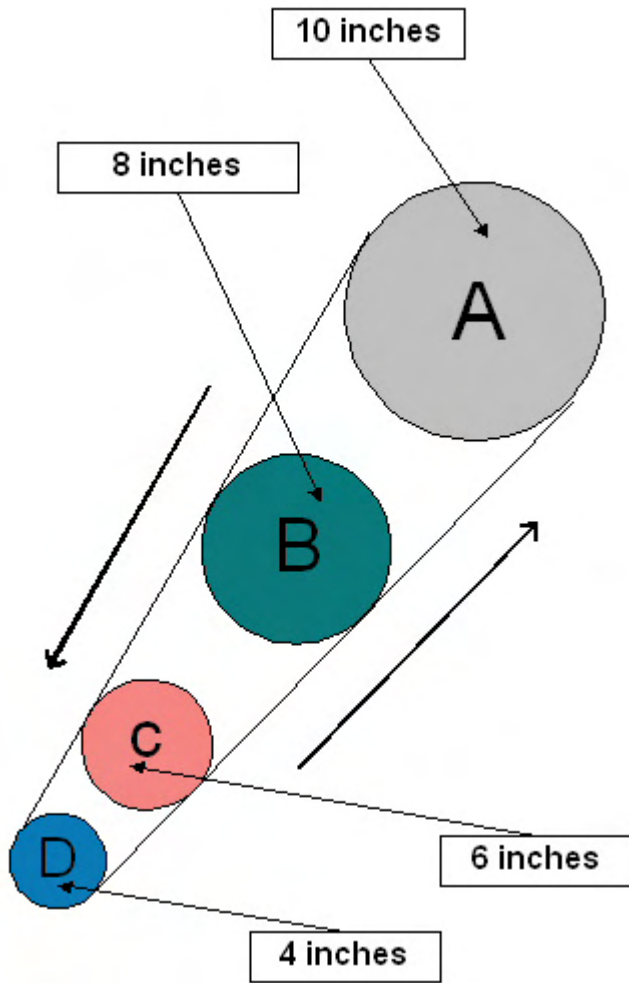
4. 1st Avenue travels in which direction?
 - a. North
 - b. East
 - c. South
 - d. West



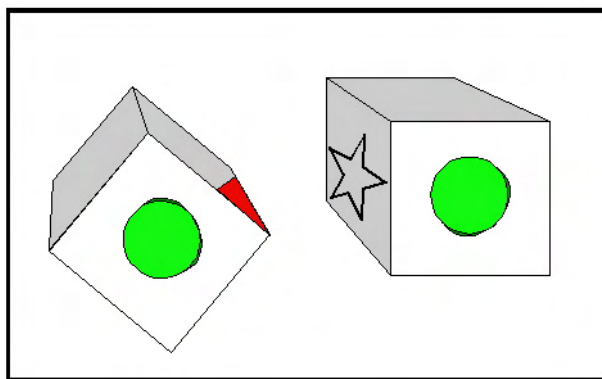
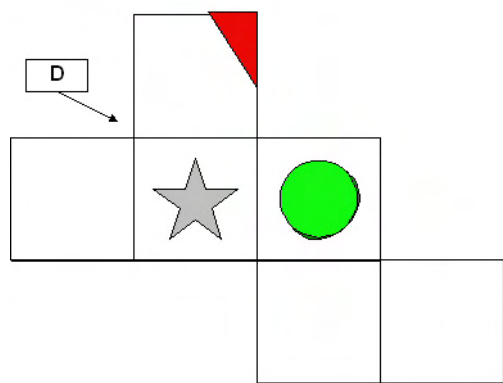
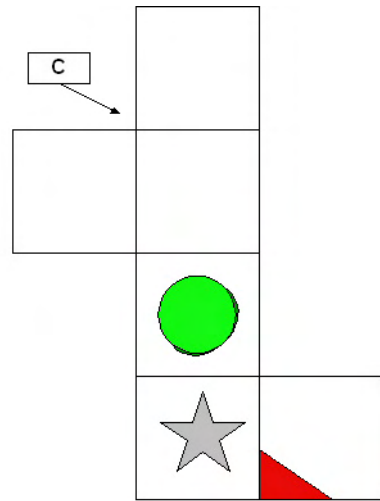
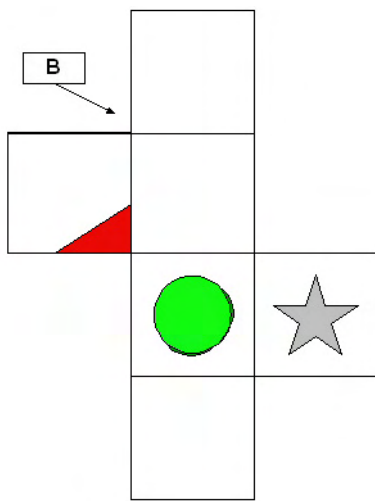
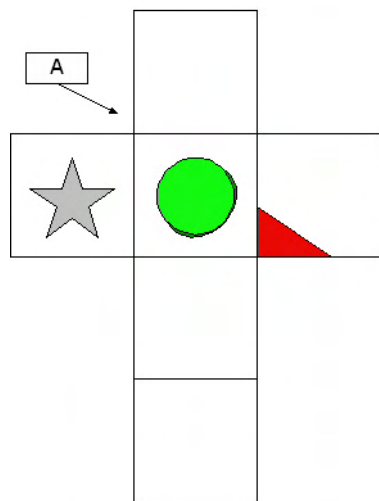
5. Using the lever, how much force should be applied to lift the bag of gold coins?
- a. 20
 - b. 75
 - c. 100
 - d. 200



6. This pulley system lifts the left cylinder 6 inches above the ground. How far must the left cylinder be raised so that the right cylinder touches the ground?
- a. 3 inches
 - b. 6 inches
 - c. 9 inches
 - d. 15 inches



7. Gear D rotates at 55 revolutions per minute. How many revolutions does gear B rotate?
- a. 27.5
 - b. 55
 - c. 110
 - d. 220



8. Which diagram best resembles the cube?

- a. A
- b. B
- c. C
- d. D

SAMPLE QUESTION ANSWERS

UNDERSTANDING ORAL INFORMATION

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 - a. Robert Moorely
2. What time does Carrie usually report for work?
 - a. 7:30 a.m.
3. Which department does Carrie work for?
 - d. Purchasing
4. What is Melanie Stewart's occupation?
 - b. Human Resource Specialist

MATHEMATICS

1. 15 divided by what number equals 100?
 - b. 0.15
2. 61,288 plus 57.04 equals
 - b. 61,345.04
3. When connecting fire hoses together, ____ 50-foot hoses and ____ 75-foot hoses will result in a length of 575 feet.
 - d. 4, 5
4. $\frac{2}{3}$ of 50% equals
 - a. 0.333

UNDERSTANDING WRITTEN MATERIAL

1. At what distance should firewood be stored away from the home?
 - c. 30 feet
2. When is the best time to clear bush?
 - d. early in the morning
3. A disaster can occur when:
 - d. All of the above.

MAP, DIAGRAMS, AND MECHANICAL DRAWINGS

1. You are facing South on 1st Street and turn on Oak Avenue until you reach the next one way street which is
 - c. 4th Street
2. Corner 2 faces which direction?
 - b. Northwest
3. Corner 8 is located at what intersection?
 - d. 3rd Avenue and Walnut Grove
4. 1st Avenue travels in which direction?
 - c. South
5. Using the lever, how much force should be applied to lift the bag of gold coins?
 - b. 75
6. This pulley system lifts the left cylinder 6 inches above the ground. How far must the left cylinder be raised so that the right cylinder touches the ground?
 - c. 9 inches
7. Gear D rotates at 55 revolutions per minute. How many revolutions does gear B rotate?
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8. Which diagram best resembles the cube?

a. A