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Armed Services Vocational Aptitude Battery Test: General Science, Arithmetic Reasoning, Word Knowledge, Paragraph Comprehension, Mathematics Knowledge, Electronics Information, Automotive & Shop Information, Mechanical Comprehension, Assembling Objects

Test Prep ASVAB-Test

Version Demo

Total Demo Questions: 20

Total Premium Questions: 1893

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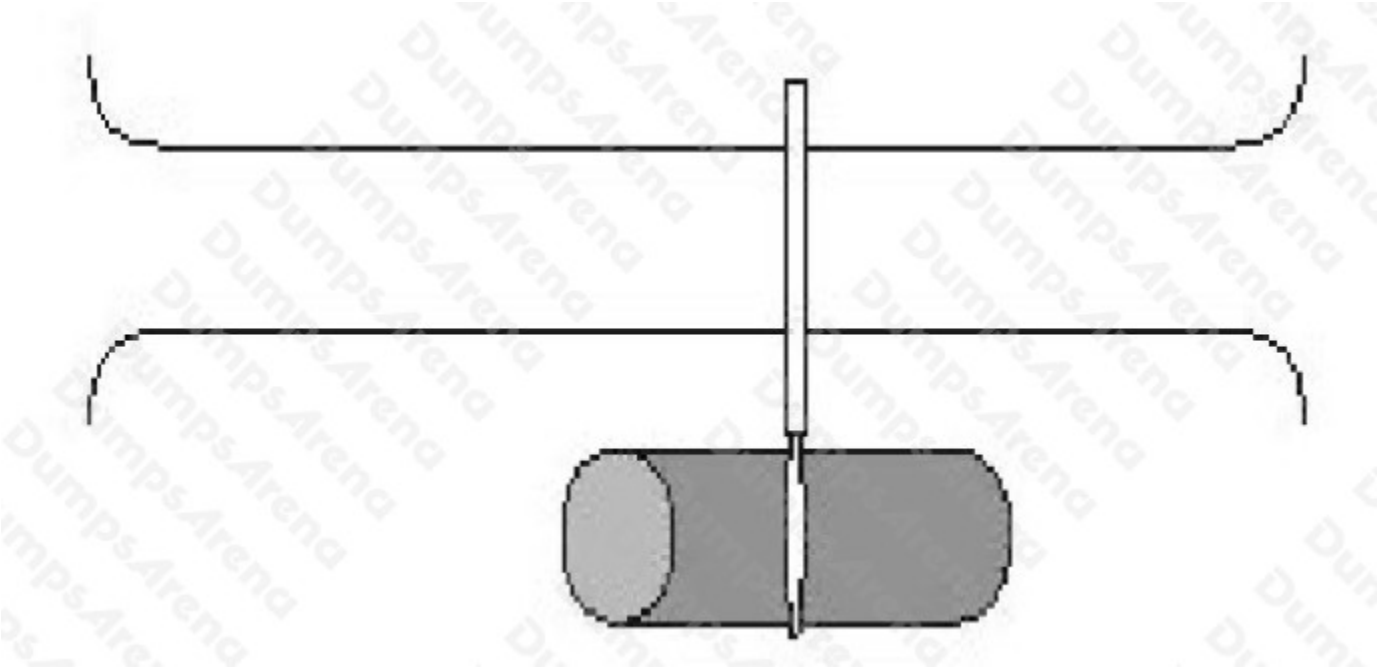
Topic Break Down

Topic	No. of Questions
Topic 1, Arithmetic Reasoning	257
Topic 2, Auto and Shop Information	206
Topic 3, Electronic Information	180
Topic 4, General Science	209
Topic 5, Mathematical Knowledge	227
Topic 6, Paragraph Comprehension	152
Topic 7, Word Knowledge	325
Topic 8, Mechanical Comprehension	187
Topic 9, Assembling Objects	150
Total	1893

QUESTION NO: 1

If you drag a log across the road, one way to reduce the amount of force needed to pull it would be to _____.



A. use a thicker rope

B. pull harder

C. cross at an angle

D. lubricate the road

ANSWER: D

Explanation:

If you drag a log across the road, one way to reduce the amount of force needed to pull it would be to lubricate the road.

Two things contribute to the force needed to pull the log across the road: the weight (mass) of the log itself, and the friction between the log and the road. Lubricating the road will reduce the friction and therefore reduce the force needed to pull the log across the road.

QUESTION NO: 2

Fencing costs $1.50 per picket. 2 pickets are used per foot. Posts cost $13.75 per post.

How much will it cost to fence a yard if 10 posts and 46 feet of pickets are needed?

A. $125.50

B. $138.00

C. $275.50

D. $380.75

ANSWER: C

QUESTION NO: 3

Jonathan spent four hours doing calculus problems, one hour playing Web-based video games, half an hour talking to his girlfriend, and two hours lifting weights and exercising.

What percentage of his time was spent on math problems?

A. 46.6%

B. 50.0%

C. 53.3%

D. 57.1%

ANSWER: C

Explanation:

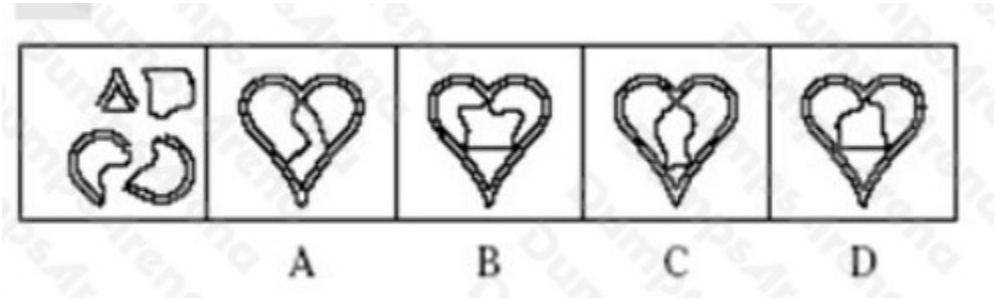
Add all the blocks of rime together. 4 + 1 + 0.5 + 2 = 7.5 hours total

Now multiply the time spent doing calculus (four hours) by 100 and divide it by the total time to get the percentage of time spent: 4 × 100 = 400

400 ÷ 7.5 = 53.3%

QUESTION NO: 4

Determine which of the choices best solves the problem shown in the first picture. The problem is presented in the first drawing and the remaining four drawings are possible solutions.



A. Option A

B. Option B

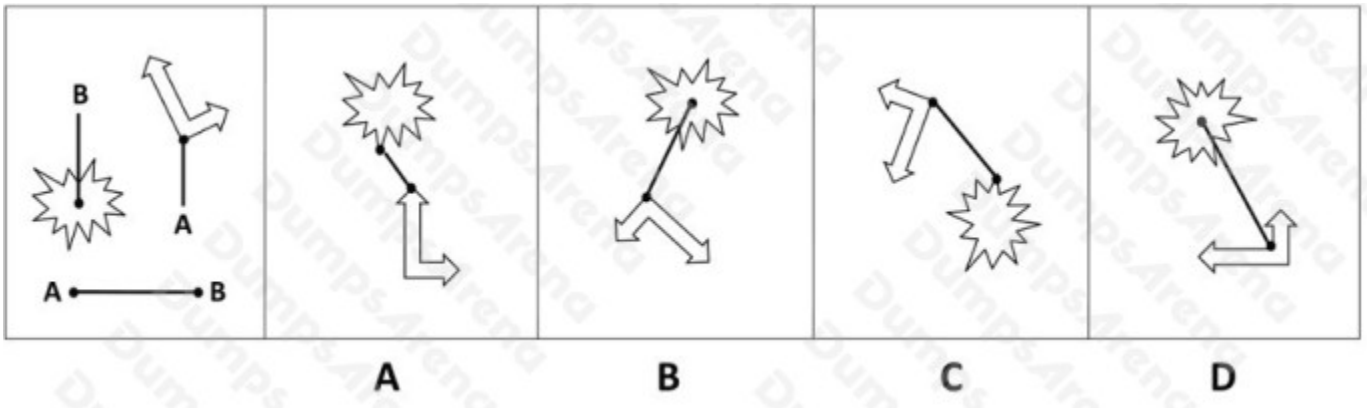
C. Option C

D. Option D

ANSWER: D

QUESTION NO: 5

Which of these images best solves the problem in the first picture?



A. Option A

B. Option B

C. Option C

D. Option D

ANSWER: B

QUESTION NO: 6

The Missile Gap was in essence a growing perception in the West, especially in the U.S.A., that the Soviet Union was quickly developing an intercontinental range ballistic missile (ICBM) capability earlier, in greater numbers, and with far more capability than that of the United States. Even as that perception was disproved, it became evident that the Soviets were placing their major effort toward developing strategic missiles against which, once launched, there was no defense. The perceived missile gap that ensued was based on a comparison between U.S. ICBM strength as then programmed, and reasonable, although erroneous estimates of prospective Soviet ICBM strength that were generally accepted.

What is the main idea of this paragraph?

A. Despite erroneous thinking, the Soviet Union missile threat was still taken seriously.

B. The Soviet Union was never a real threat for ballistic missiles.

C. The Missile Gap had nothing to do with the perceptions of the U.S.A. regarding Soviet advances.

D. The United States and Soviet Union worked together on the Missile Gap.

ANSWER: A

QUESTION NO: 7

A four-wheel vehicle driving on all four wheels is known as a _____.

A. 4 × 2

B. 2 × 4

C. 4 × 4

D. 4 × 6

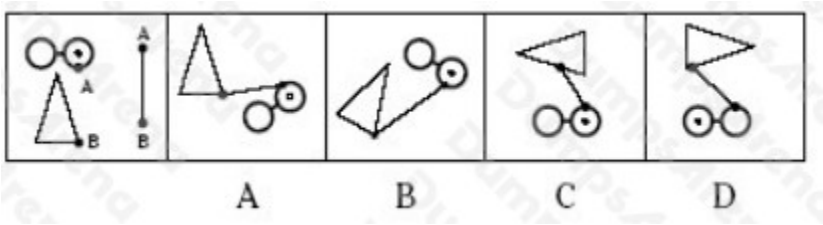
ANSWER: C

Explanation:

A four-wheel vehicle is called a 4 × 4 if all wheels are driven. One with six wheels with all six being driven is called a 6 × 6, and one with six wheels (like a truck) but only four being driven is designated as a 4 × 6.

QUESTION NO: 8

Determine which of the choices best solves the problem shown in the first picture. The problem is presented in the first drawing and the remaining four drawings are possible solutions.



A. Option A

B. Option B

C. Option C

D. Option D

ANSWER: B

QUESTION NO: 9

If an object is in equilibrium, it is said to be _____.

A. at rest

B. moving

C. at rest or moving at a constant speed and in a straight line

D. moving upward only

ANSWER: C

Explanation:

An object in equilibrium may or may not be at rest.

If two or more forces act, their effects may eliminate each other.

When this condition of equilibrium is reached, there is no net force and the velocity does not change. Equilibrium is reached when the object is at rest or moving at a constant speed and in a straight line.

QUESTION NO: 10

What does "EFI" stand for in EFI computer?

A. Electronic Fuel Insertion

B. Electronic Fuel Injection

C. Express Fuel Injection

D. Engineered Focal Injection

ANSWER: B

QUESTION NO: 11

Your car uses gasoline at the rate of 21 miles per gallon.

If gasoline costs $2.82 per gallon, and you drive for 7 hours at a speed of 48 miles per hour, how much will you pay for gasoline for the trip?

A. $38.18

B. $45.12

C. $47.73

D. $59.27

ANSWER: B

Explanation:

Your first step is to determine the number of miles traveled. Multiply the rate of travel by the time. 48x × 7 = 336 miles. The amount of gas used is the total miles driven, divided by the number of miles per gallon. 336 ÷ 21 = 16 gallons of gasoline used. At the price of $2.82 per gallon, you spent $45.12 for gas ($2.82x × 16 = $45.12).

QUESTION NO: 12

The function of a wire gauge is to _____.

A. measure if an old wire is still useable

B. determine the type of wire if it is undetermined

C. measure the electrical capacity of the wire

D. measure thickness of wires

ANSWER: D

QUESTION NO: 13

Many people assume that, once the eye of a hurricane has passed, the danger is over. Actually, the wind and heavy rains that follow a hurricane can last for a long time after. The dangers of large storms, like hurricanes and tropical storms, include flash flooding, which can occur far inside the point at which a storm made land. In the U.S., records show that over 70% of

the lives lost in hurricanes are due to the hazards of flooding. In 1979, a tropical storm named Claudette, caused 45 inches of rain to fall in Alvin, Texas.

What is the main idea of this passage?

A. Alvin, Texas, is not a safe place to live in a hurricane.

B. Wind and water damage can occur even after a hurricane has passed.

C. Tropical Storm Claudette flooded Alvin, Texas.

D. Hurricanes bring record amounts of rain.

ANSWER: B

QUESTION NO: 14

Using a fuse rated higher than the required current rating of a circuit can _____.

A. protect your circuit better

B. cause the fuse to blow more often

C. lower your power usage for that circuit

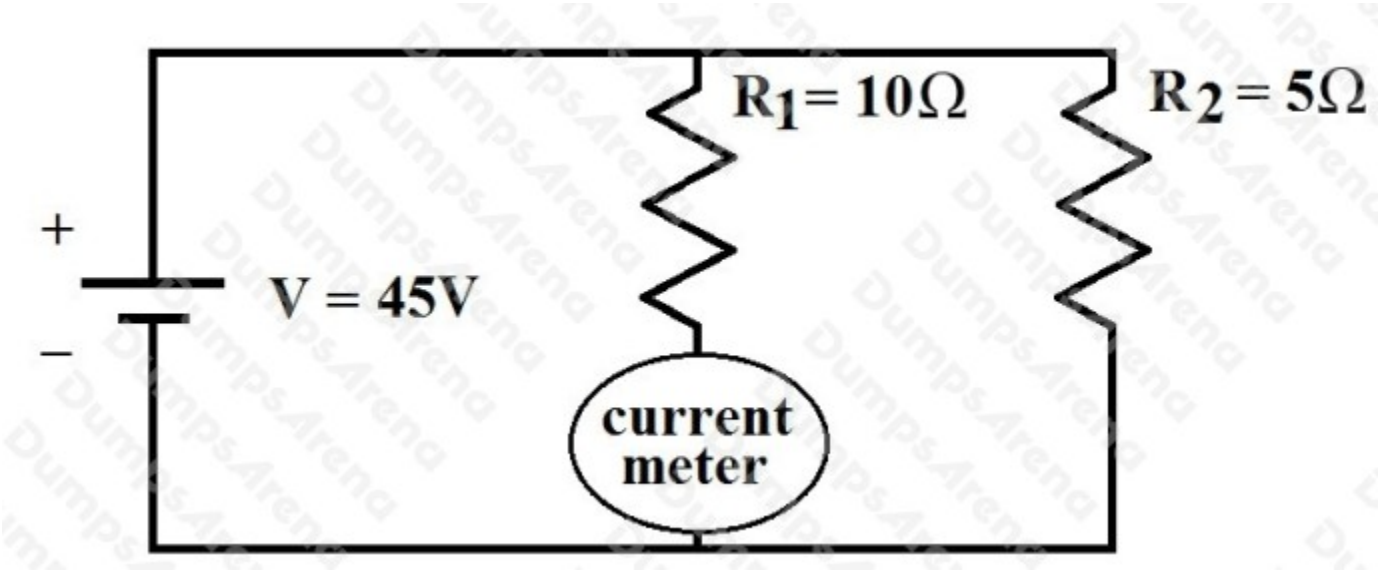
D. result in serious damage to your circuit

ANSWER: D

Explanation:

Using a higher rated fuse is dangerous and can result in serious damage to your circuit.

QUESTION NO: 15



A current meter is connected to a circuit as shown.

What does the current meter read?

A. 3.0 amperes

B. 4.5 amperes

C. 13.5 amperes

D. 15 amperes

ANSWER: B

Explanation:

The current through the meter is equal to the current through R1. The current through R1 is 45V / 10Ω = 4.5A

QUESTION NO: 16

His vapid presentation earned him a C in the class.

A. mediocre

B. plagiarized

C. dull

D. polished

ANSWER: C

QUESTION NO: 17

If you invest $10,000 at an annual rate of 7%, how much interest will you earn after one year?

A. $7

B. $700

C. $10,700

D. $70

ANSWER: B

Explanation:

Interest = Principal × Rate = $10,000 × 0.07 = $700

QUESTION NO: 18

The word advocacy most nearly means _____.

A. promoting

B. blocking

C. prosecuting

D. impeding

ANSWER: A

QUESTION NO: 19

Jill bought 2 cases of computer paper (10 reams per case) on sale for $85.00. The regular rate is: 1 case = $52.50.

What was her savings amount on the cost of each ream?

A. $1.00 per ream savings

B. $1.25 per ream savings

C. $0.75 per ream savings

D. $0.50 per ream savings

ANSWER: A

QUESTION NO: 20

In an overhead valve system (OHV), what mechanism opens and closes the valves?

A. rocker arms

B. camshaft

C. valve rotator

D. electrical energy from the alternator

ANSWER: A