DUMPSBOSS.COM

Graduate Management Admission Test: Analytical Writing Assessment (AWA), Quantitative section, Verbal section

Test Prep GMAT-Test

Version Demo

Total Demo Questions: 20

Total Premium Questions: 462

Buy Premium PDF

https://dumpsboss.com

support@dumpsboss.com

dumpsboss.com

Topic Break Down

Topic	No. of Questions
Topic 1, Integrated Reasoning	69
Topic 2, Quantitative Reasoning	187
Topic 3, Verbal Reasoning	205
Topic 4, Analytical Writing Assessment	1
Total	462

QUESTION NO: 1

Given that Z, R, X_L, X_C are positive and satisfy $Z = \sqrt{R^2 + (X_L - X_C)^2}$, if $X_L = 4X_C$, what is X_C in terms of Z and R?

A)

$$\frac{Z^2 - R^2}{2}$$

B)

$$\frac{Z - R}{3}$$

C)

$$\sqrt{\frac{Z^2 - R^2}{3}}$$

D)

$$\sqrt{\frac{Z^2 - R^2}{15}}$$

E)

$$\frac{\sqrt{Z^2 - R^2}}{3}$$

A. Option

B. Option

C. Option

D. Option

E. Option

ANSWER: E

QUESTION NO: 3

Originally, the bill for Quon's mea! was $11.88, which included an 8% tax on the cost of the meal. Quon presented a discount coupon for 25% off the cost of his meal.

Quon's final bill was the discounted cost of the meal plus the 8% tax on the discounted cost of the meal. How much was Quon's final bill?

A. $8.91

B. $8.93

C. $9.13

D. $9.62

E. $11.63

ANSWER: A

QUESTION NO: 4

If $y = x^2 + 6x - 7$, what is the value of x?

(1) x is a positive integer.

(2) $y^2 = y$

A. Statement (1) ALONE is sufficient, but statement (2) alone is not sufficient.

B. Statement (2) ALONE is sufficient, but statement (1) alone is not sufficient.

C. BOTH statements TOGETHER are sufficient, but NEITHER statement ALONE Is sufficient.

D. EACH statement ALONE is sufficient

E. Statements (1) and (2) TOGETHER are NOT sufficient.

ANSWER: C

QUESTION NO: 5

Which of the following is the most likely reason that the author mentions the work o* the astronomers in 1998 (see highlighted text)?

A. To counter the common view among astronomers in 1998 that no planets orbited around HR 8799

B. To show that Earth based telescopes are generally more accurate than is the Hubble telescope

C. To help explain why scientists felt it necessary to archive the Hubble images of HR8799

D. To highlight the potential value that the new technique could have for Researchers

E. To emphasize mistakes researchers made in 1998 when examining the Hubble images of HR 8799

ANSWER: D

QUESTION NO: 6

Is the positive integer n even?

(1) The sum of the first n positive Integers is even.

(2) The sum of the first In positive integers is even.

A. Statement (1) ALONE is sufficient, but statement (2) atone is not sufficient.

B. Statement (2) ALONE is sufficient, but statement (1) alone is not sufficient.

C. BOTH statements TOGETHER are sufficient, but NEITHER statement ALONE is sufficient.

D. EACH statement ALONE is sufficient.

E. Statements (1) and (2) TOGETHER are NOT sufficient.

ANSWER: B

QUESTION NO: 7

Government regulations in Nation X require that milk products labeled "organic" come from cows that have access to pasture. Many industrial dairies have begun using the organic label on their products even though their cows spend most of their milk-bearing lives confined to feed lots eating grain. Critics charge that industrial dairy cows spend too little time grazing in pastures for their milk to bear the organic label, but the cows' owners insist that the animals are in good health and show no signs of discontent.

Which of the following would it be most useful to establish in order to determine whether the industrial dairies' use of the organic label complies with government regulations?

A. The average amount of grass eaten by a cow from an industrial dairy that uses the organic label, as compared to the average amount of grass eaten by a cow from a smaller organic dairy farm

B. By what criteria a cow is considered to be "in good health," according to government regulation

C. The nutritional value of the milk labeled organic that is produced by cows from industrial dairies

D. The effects on milk prices of the wider use of the organic label

E. The meaning of "access to pasture," as stipulated by government regulation

ANSWER: E

QUESTION NO: 8

For the first time, prospectors have laid claim to rich deposits of gold, silver, and copper in the deep sea, foreshadowing a possible rush to the open oceans for metals and a possible fight with conservationists over exploitation of the sea's dark recesses.

A. prospectors have laid claim to rich deposits of gold, silver, and copper in the deep sea, foreshadowing a possible rush to the open oceans for metals and a possible fight

B. prospectors have laid claim to rich deposits of gold, silver, and copper in the deep sea, which foreshadows a possible rush to the open oceans for metals and possibly a fight

C. prospectors have laid claim to rich deposits of gold, silver, and copper in the deep sea, foreshadowing a possible rush to the open oceans for metals and possibly fighting

D. prospectors, having laid claim to rich deposits of gold, silver, and copper in the deep sea, and foreshadowing a possible rush to the open oceans for metals and a possible fight

E. prospectors having laid claim to rich deposits of gold, silver, and copper in the deep sea foreshadows a possible rush to the open oceans for metals and possibly fighting

ANSWER: A

QUESTION NO: 9

If n is a positive integer, which of the following could be equal to $(n + 1)^3 - (n^3 + 1)$?

A)

$(7^3)(6^3 - 1)$

B)

$(7^3)(6^3 + 1)$

C)

$(2)(26)(27)$

D)

$(3)(31)(32)$

E)

0

A. Option

B. Option

C. Option

D. Option

E. Option

ANSWER: D

QUESTION NO: 10

If x and y are *positive* real numbers, what is the value of $\dfrac{(x^2 + y^2)^3}{(x^3 + y^3)^2}$?

(1) x2 + 2y2 =XY

(2) x2 + 2y2-3xy

A. Statement (1) ALONE is sufficient, but statement (2) alone Is not sufficient.

B. Statement (2) ALONE is sufficient, but statement (1) atone is not sufficient.

C. BOTH statements TOGETHER ace sufficient, but NEITHER statement ALONE Is sufficient.

D. EACH statement ALONE is sufficient.

E. Statements (1) and (2) TOGETHER are NOT sufficient.
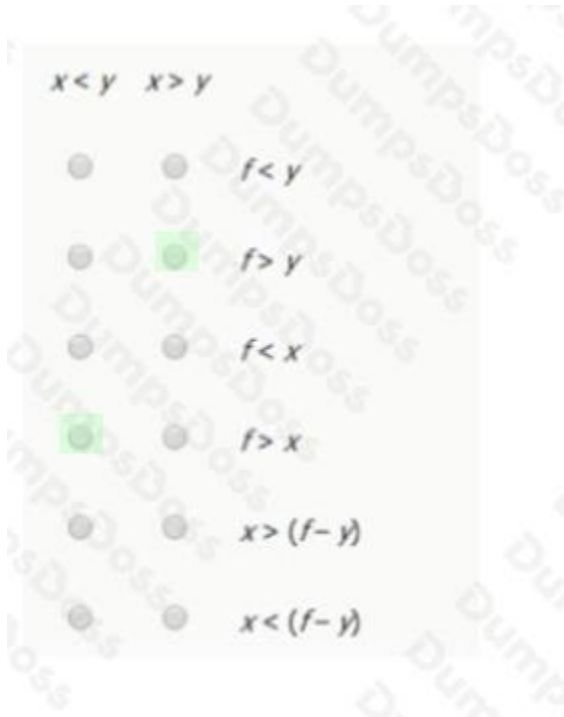
ANSWER: C

QUESTION NO: 11 - (HOTSPOT)

Priyanka purchased an airplane ticket for x euros (€x), but now needs to reschedule her flight. She can either purchase a new ticket outright or exchange her ticket for a new one. If she exchanges her ticket, she must pay an exchange fee of €f, and if the price of the new ticket exceeds that of the old ticket, she must also pay the difference between the two prices. These are the only costs associated with exchanging a ticket. The new ticket Priyanka plans to purchase costs €y, and she has correctly determined that exchanging her old ticket for the new one would cost more than purchasing the new ticket outright.

Based on the information provided, select for $x < y$ the inequality that must hold if x is less than y and select for $x > y$ the inequality that must hold if x is greater than y. Make only two selections, one in each column.

$x < y$ $x > y$

○ ◉ $f < y$

◉ ○ $f > y$

○ ○ $f < x$

○ ◉ $f > x$

○ ○ $x > (f - y)$

◉ ○ $x < (f - y)$

ANSWER:

$x < y$ $x > y$

○ ○ $f < y$

○ ○ $f > y$

○ ○ $f < x$

○ ○ $f > x$

○ ○ $x > (f - y)$

○ ○ $x < (f - y)$

QUESTION NO: 12 - (HOTSPOT)

When joni, Katrina, and Leah started their business, JKL Enterprises, each contributed an amount of money, in euros. The amounts were in the ratio of 3:5:8, respectively, and the first-year profit of JKL Enterprises was split in the same ratio. Katrina's share of the first-year profit was €5,000.

Select for First-year profit and for Leah's stare amounts In euros that are consistent with the given Information and could be the first-year profit of JKL Enterprises and Leah's share of those profits, respectively. Make only two selections, one in each column.

First-year profit	Leah's share	
○	○	€7,000
○	○	€8,000
○	○	€9,000
○	○	€14,000
○	○	€16,000
○	○	€18,000

ANSWER:

First-year profit	Leah's share	
○	○	€7,000
○	●	€8,000
○	○	€9,000
○	○	€14,000
●	○	€16,000
○	○	€18,000

QUESTION NO: 13

A region in a plane is said to be convex if, for every two points in the region, the line segment joining the two points is completely contained in the region. If a sector of a circle has a central angle with degree measure m > 0, which of the following determines the set of all values of m (less than 360) for which the sector is convex?

A. 0 ≤ m ≤ 90

B. 90 ≤ m ≤ 180

C. 0 ≤ m ≤ 360

D. 180 ≤ m ≤ 360

E. 0 ≤ m ≤ 360

ANSWER: C

QUESTION NO: 14

As discussed in the passage, smoothing production is primarily concerned with

A. using the most efficient production processes available in order to avoid bottlenecks

B. absorbing into overhead expenses the cost of holding inventory

C. keeping production lines running continuously without interruption for maintenance

D. assuring that there are as few peaks and valleys as possible in demand for the products made

E. maintaining production levels as constant as is practicable

ANSWER: D

QUESTION NO: 15

In the xy-plane, circle C has equation $x^2 + y^2 = 10$. How many points (a,b), where a and b are integers, lie on C?

A. 2

B. 4

C. 8

D. 10

E. 16

ANSWER: C

QUESTION NO: 16

An intensive effort was made to expand the database of alumni names for a certain high school. The number of names in the database increased by 1,300 percent of the original number of 1,500 names. How many names were in the expanded database?

A. 1,950

B. 2,800

C. 16,300

D. 19,500

E. 21,000

ANSWER: E

QUESTION NO: 17

What amount. In dollars, Invested for one year at an interest rate of 2 percent compounded semiannually would produce the same final balance at the end of the year as $10,000 Invested for one year at an interest rate of 4 percent compounded quarterly?

A. $10,000

B. $10,201

C. $10,500

D. $10,801

E. $20,000

ANSWER: B

QUESTION NO: 18

When fish or mammals ingest the chemical rotenone, enzymes In (he digestive tract metabolize most of it, rendering It harmless, but If enough rotenone enters the bloodstream, It can kill them. Wildlife managers who use rotenone in rivers or lakes to reduce fish populations claim that the practice is harmless to aquatic mammals, but clearly if enough rotenone is used to kill fish, mammals must be at risk too.

Which of the following, if true, most seriously weakens the argument?

A. Rotenone can enter a fish's bloodstream directly through the gills.

B. If populations of some fish species are allowed to grow unchecked, they can have disruptive ecological effects that ultimately harm wild mammal populations.

C. When rotenone is introduced into a fast-flowing river, it can travel a considerable distance downstream before breaking down.

D. For most aquatic mammals, fish constitute a substantial portion of their diet.

E. Chemicals that In the past have been used to reduce fish populations have considerably higher toxicity to aquatic mammals than rotenone does.
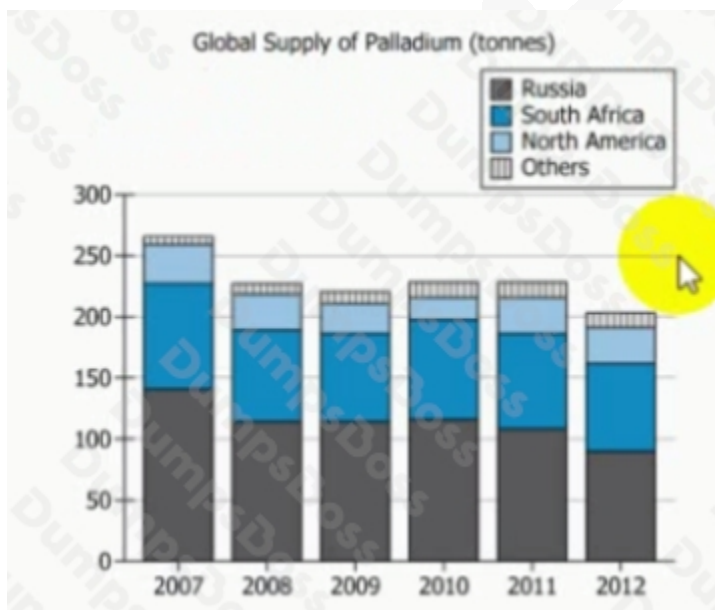
ANSWER: C

QUESTION NO: 19

At his high school, Marlon is the only member of the track team who is also a member of the tennis team. His weight of 68.5 kilograms is the median weight of the 9 members of the track team and is also the median weight of the 7 members of the tennis team. If the total weight of the members of both teams is 960 kilograms, then the median weight of the members of both teams is how many kilograms greater than the average (arithmetic mean) weight of the members of both teams?

A. 4.5

B. 6.5

C. 8.5

D. 10.5

E. 12.5

ANSWER: C

QUESTION NO: 20 - (SIMULATION)

Select from the drop-down menus the options that create the statement that te most clearly supported by the Information In the graph.

The decrease in the [Select... ▼] from 2007 to 2012 was mostly but not entirely due to the decrease in the [Select... ▼] .

ANSWER: Answerisbelowbox

Explanation:

Answer listed in box

The decrease in the [supply of palladium from South Africa ▼] from 2007 to 2012 was mostly but not entirely due to the decrease in the [global supply of palladium ▼] .