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File Name: gmatbusters' Weekly Quant Quiz

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1 The probability that John will pass in all subjects in final Exam is 0

<http://gmatclub.com/forum/topic-277569.html>

Tags: Difficulty: 600-700 Level | Probability

Problem Solving (PS)

Weekly Quant Quiz Question -1

The probability that John will pass in all subjects in final Exam is 0.69 and the probability that John will be promoted to next class is 0.73. What is the greatest probability that neither of the two events will occur.

- a) 0.11
- b) 0.27
- c) 0.41
- d) 0.56
- e) 0.62

2 If $[m]y = |x| + x/[m]$, where $[m]y/[m]$ is an integer. Is $[m]y = 0/[m]$?

<http://gmatclub.com/forum/topic-277570.html>

Tags: Difficulty: 600-700 Level | Absolute Values/Modulus

Data Sufficiency (DS)

Weekly Quant Quiz Question -2

If $y = |x| + x$, where y is an integer. Is $y = 0$?

- a) $x+7$ is prime
- b) $y < 2$

3 At Cambridge Junior School, there are 90 students who represent $x\%$ of

<http://gmatclub.com/forum/topic-277571.html>

Tags: Difficulty: 600-700 Level | Percents and Interest Problems

Problem Solving (PS)

Weekly Quant Quiz Question -3

At Cambridge Junior School, there are 90 students who represent $x\%$ of total boys at the school. If the total no of boys at the school make up 40% of the total students x . Find the value of x .

- a) 100
- b) 120
- c) 150
- d) 200
- e) Can not be determined.

4 If x is an integer, what is the value of $[m]x^5 + 3^5/[m]$?

<http://gmatclub.com/forum/topic-277572.html>

Tags: Difficulty: 700-Level | Exponents/Powers

Data Sufficiency (DS)

Weekly Quant Quiz Question -4

If x is an integer, what is the value of $x^5 + 3^5$?

- a) $\sqrt[5]{x^5} = 3$
- b) $x^3 + 8 = 35$

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5 What is the 21st digit of the decimal [

<http://gmatclub.com/forum/topic-277573.html>

Tags: Arithmetic | Difficulty: 700-Level

Problem Solving (PS)

Weekly Quant Quiz Question - 5

What is the 21st digit of the decimal $\frac{1}{111} + \frac{1}{37} + \frac{1}{27} + \frac{1}{9} + \frac{1}{3}$?

- a) 5
- b) 6
- c) 7
- d) 8
- e) 9

6 In the given Figure, what is the Area of the Equilateral triangle ABC?

<http://gmatclub.com/forum/topic-277574.html>

Tags: Geometry | Difficulty: 700-Level

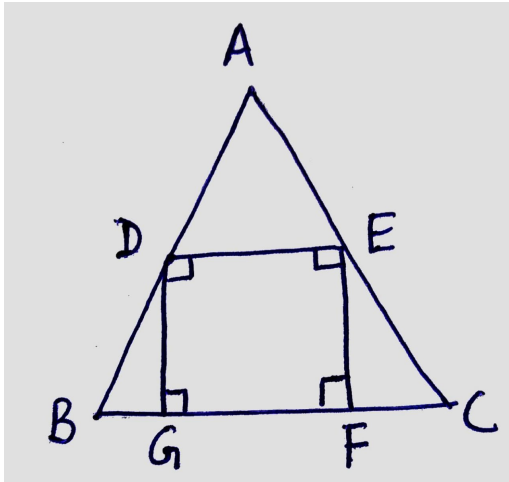
Data Sufficiency (DS)

Weekly Quant Quiz Question -6

In the given Figure, what is the Area of the Equilateral triangle ABC?

- a) DECF is a square of area 9 cm².
- b) $BG = \sqrt{3}$

Attachment:



gmatbusters Quiz.jpeg [49.41 KiB | Viewed 240 times]

7 If $[m]Z = 10^x + 10^y + 10^z$ [/m], where [m]x, y, z [/m] are distinct p

<http://gmatclub.com/forum/topic-277575.html>

Tags: Difficulty: 700-Level | Exponents/Powers

Problem Solving (PS)

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Weekly Quant Quiz Question -7

If $Z = 10^x + 10^y + 10^z$, where x, y, z are distinct positive integers, How many different value of Z is there if $Z < 10^9$?

- a) 24
- b) 34
- c) 56
- d) 84
- e) 120

8 If John deposited 1000\$ in a certain bank account, where the interest

<http://gmatclub.com/forum/topic-277576.html>

Tags: Difficulty: 600-700 Level | Percent and Interest Problems

Data Sufficiency (DS)

Weekly Quant Quiz Question -8

If John deposited 1000\$ in a certain bank account, where the interest earned in a year is given by Interest = Principal deposited $\left[1 + \frac{x}{100}\right]^n - 1$, where x is annual interest paid by the bank. Is the annual interest greater than 7%?

- a) The interest earned in a two-year period is 210\$.
- b) $\left[1 + \frac{x}{100}\right]^n > 1.14$

Only the TEXT Solution is Allowed

9 What is the remainder when X^Y is divided by Z , Where $X = 32$, $Y = 3[m$

<http://gmatclub.com/forum/topic-277577.html>

Tags: Exponents/Powers | Difficulty: 600-700 Level

Problem Solving (PS)

Weekly Quant Quiz Question -9

What is the remainder when X^Y is divided by Z , Where $X = 32$, $Y = (32)^{(32)}$ and $Z = 13$?

- a) 4
- b) 5
- c) 6
- d) 7
- e) 8

ONLY TEXT SOLUTIONS ARE ALLOWED.

10 What is the sum of T , U and V ? If P , Q , R , S , T , U and V are distinct

<http://gmatclub.com/forum/topic-277578.html>

Tags: Difficulty: 700-Level | Algebra

Data Sufficiency (DS)

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Weekly Quant Quiz Question -10

If the given addition is correct, what is the sum of T, U and V?
P, Q, R, S, T, U and V are distinct digits.

Attachment:

$$\begin{array}{r} PS \\ QS \\ + RS \\ \hline TUV \\ \hline \end{array}$$

Gmatbusters Quiz -2.jpeg [45.31 KiB | Viewed 238 times]

- a) P, Q and R are consecutive odd integers.
- b) T = 2

ONLY THE TEXT SOLUTIONS ARE ALLOWED

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The list of ANSWERS:

Answer

1 B

2 A

3 C

4 B

5 C

6 A

7 C

8 E

9 C

10 A

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