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1 Weekly Quant Quiz #6 Question No 1

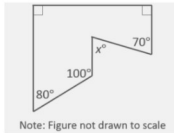
<http://gmatclub.com/forum/topic-280055.html>

Problem Solving (PS)

Tags: Difficulty: 600-700 Level | Geometry

Weekly Quant Quiz #6 Question No 1

Attachment:



Q1.jpg [8.4 KiB | Viewed 69 times]

According to the figure, the value of x is

- A) 30
- B) 60
- C) 70
- D) 80
- E) 100

2 Weekly Quant Quiz #6 Question No 2

<http://gmatclub.com/forum/topic-280057.html>

Data Sufficiency (DS)

Tags: Difficulty: 600-700 Level | Number Properties

Weekly Quant Quiz #6 Question No 2

If a, b, x, y, and z are non negative integers and $2^a \cdot 3^b = 4^x \cdot 3^y \cdot 7^z$, what is the value of xyz?

- 1) $a-b=3$
- 2) $yz > 0$

3 Weekly Quant Quiz #6 Question No 3

<http://gmatclub.com/forum/topic-280061.html>

Problem Solving (PS)

Tags: Difficulty: 600-700 Level | Combinations

Weekly Quant Quiz #6 Question No 3

If a computer program generates three-digit odd numbers using the numbers 9, 7, 0, 4, and 1, and the digits can be repeated, what is the probability that the number formed from the program is a multiple of three?

- A) 1/2
- B) 1/3
- C) 1/4
- D) 1/5
- E) 1/6

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4 Weekly Quant Quiz #6 Question No 4

<http://gmatclub.com/forum/topic-280063.html>

Tags: Difficulty: 700-Level | Algebra

Data
Sufficiency
(DS)

Weekly Quant Quiz #6 Question No 4

Ram can push a certain cart 4 times as fast as Rahim can. If they take turns pushing the cart for one hour, and each person always pushes at his or her constant rate, do they push the cart farther than 3 miles?

- 1) In 2 hours Rahim can push the cart 2 miles.
- 2) Ram and Rahim push the cart for 4 hours.

5 Weekly Quant Quiz #6 Question No 5

<http://gmatclub.com/forum/topic-280064.html>

Tags: Difficulty: 600-700 Level | Algebra

Problem
Solving (PS)

Weekly Quant Quiz #6 Question No 5

George claims that with each breath he takes, he can suck $\frac{1}{3}$ of the air out of his room. If this were true, what, after 4 breaths, would be the ratio of the air that George has sucked out of the room to the air that still remains in the room? Assume no air is breathed back into the room.

- A) 65:81
- B) 65:16
- C) 8:9
- D) 13:27
- E) 40:81

6 Weekly Quant Quiz #6 Question No 6

<http://gmatclub.com/forum/topic-280065.html>

Tags: Difficulty: 700-Level | Combinations

Data
Sufficiency
(DS)

Weekly Quant Quiz #6 Question No 6

There are seven team and each team has to play with three other teams in the first round of tournament. What is the minimum number of matches that can happen in the first round?

- A) 10
- B) 11
- C) 12
- D) 21
- E) 22

7 Weekly Quant Quiz #6 Question No 7

<http://gmatclub.com/forum/topic-280067.html>

Tags: Difficulty: 600-700 Level | Number Properties

Problem
Solving (PS)

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Weekly Quant Quiz #6 Question No 7

If $[x]$ is defined as greatest integer function, find the value of $[Q]$ where Q is the angle PQR in degrees.

- A) -1
- B) 0
- C) 1
- D) 90
- E) cannot be determined.

8 Weekly Quant Quiz #6 Question No 8

<http://gmatclub.com/forum/topic-280068.html>

Tags: Difficulty: 700-Level | Algebra

Problem Solving (PS)

Weekly Quant Quiz #6 Question No 8

While covering a distance of 24 km, a man noticed that after walking for 1 hour and 40 minutes, the distance covered by him was $\frac{5}{7}$ of the remaining distance. What was his speed in m/s?

- A) 1.12
- B) 1.21
- C) 1.33
- D) 1.55
- E) 1.66

9 Weekly Quant Quiz #6 Question No 9

<http://gmatclub.com/forum/topic-280069.html>

Tags: Difficulty: 700-Level | Algebra

Problem Solving (PS)

Weekly Quant Quiz #6 Question No 9

If a and b are constants, and the equation $x^3 + ax^2 + bx = 64$ has precisely one solution for x , what is the value of b ?

- A) 48
- B) 16
- C) 24
- D) -16
- E) -67

10 Weekly Quant Quiz #6 Question No 10

<http://gmatclub.com/forum/topic-280071.html>

Tags: Difficulty: 700-Level | Probability

Problem Solving (PS)

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Weekly Quant Quiz #6 Question No 10

A cube with its sides numbered 1— 6 is rolled twice, first landing on **a** and then landing on **b**. If any roll of the cube yields an equal chance of landing on any of the numbers 1 — 6, what is the probability that **a + b** is prime?

A) 0

B) $\frac{1}{12}$

C) $\frac{5}{12}$

D) $\frac{7}{18}$

E) $\frac{4}{9}$

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The list of ANSWERS:

Answer

1 -

2 -

3 -

4 -

5 -

6 -

7 -

8 -

9 -

10 -

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