



The list of questions from GMAT Club forum

1. DS GMAT Prep.

generated on **November 29, 2016**

by **SajjadAhmad**





1 If $0 < x < y$, what is the value of $(x + y)^2/(x - y)^2$? by Val1986

<http://gmatclub.com/forum/topic-149711.html>

Tags: Difficulty: 600-700 Level | Algebra | Exponents/Powers | Source: GMAT Prep

GMAT Data
Sufficiency
(DS)

If $0 < x < y$, what is the value of $(x + y)^2/(x - y)^2$?

(1) $x^2 + y^2 = 3xy$

(2) $xy = 3$

2 Is $|x - y| > |x| - |y|$? by HarveyKlaus

<http://gmatclub.com/forum/topic-229550.html>

Tags: Absolute Values/Modules | Source: GMAT Prep | Difficulty: 700-Level

GMAT Data
Sufficiency
(DS)

Is $|x - y| > |x| - |y|$?

(1) $y < x$

(2) $xy < 0$

Does anyone know how to solve this question?

Thanks

3 Is the positive square root of x an integer? by blackcrow

<http://gmatclub.com/forum/topic-165183.html>

Tags: Source: GMAT Prep | Algebra | Number Properties | Difficulty: Sub-600 Level

GMAT Data
Sufficiency
(DS)

Is the positive square root of x an integer?

(1) $x = n^4$ and n is an integer

(2) $x = 16$

[Reveal] Spoiler:

Request for feedback on GMAT review Edition12 DS Q98

I have questions on the possible sufficiency of statement 1, because:

If n is a non zero number, then $\sqrt{x}$ is an integer

But if n is zero, then the $\sqrt{x}$ of 0 is undefined

Which would make the statement insufficient

Why is this statement incorrect?

4 If $mv < pv < 0$, is $v > 0$? by Stiv

<http://gmatclub.com/forum/topic-134718.html>

Tags: Source: GMAT Prep | Inequalities | Difficulty: 700-Level

GMAT Data
Sufficiency
(DS)

If $mv < pv < 0$, is $v > 0$?

(1) $m < p$

(2) $m < 0$

5 In a certain senior class, 72 percent of the male students by enigma123

<http://gmatclub.com/forum/topic-128279.html>

Tags: Difficulty: 600-700 Level | Overlapping Sets | Source: GMAT Prep

GMAT Data
Sufficiency
(DS)



In a certain senior class, 72 percent of the male students and 80 percent of the female students have applied to college. What fraction of the students in the senior class is male?

- (1) There are 840 students in the senior class
(2) 75 percent of the students in the senior class have applied to college.

Correct answer is B and I am struggling to find out how.

This is how I am trying to solve this.

Let

M ---> Male students
F ---> Female students

We have to find out $\frac{M}{M+F}$

$0.72M + 0.8F$ have applied to the college.

Considering statement 1 --> This statement gives $M + F = 840$. Therefore, insufficient.

Considering statement 2 --> We don't know the number of students. Therefore insufficient.

Combining the two statements:

Students applied to the college = $0.75 * 840 = 630$

So $M + F = 840$ and $0.72M + 0.8F = 630$. Two equations and two variables, sufficient to answer the question.
But the answer is B ? How? Where I am getting this wrong? 😊

6 If set S consists of the numbers 1, 5, -2, 8, and n, is $0 < n < 7$? by Stiv

<http://gmatclub.com/forum/topic-132570.html>

Tags: Statistics and Sets Problems | Source: GMAT Prep | Difficulty: 600-700 Level

GMAT Data
Sufficiency
(DS)

If set S consists of the numbers 1, 5, -2, 8, and n, is $0 < n < 7$?

- (1) The median of the numbers in S is less than 5.
(2) The median of the numbers in S is greater than 1.

7 Machine M and Machine N working alone at their constant rate by Reni

<http://gmatclub.com/forum/topic-175115.html>

Tags: Source: GMAT Prep | Work/Rate Problems | Difficulty: 700-Level

GMAT Data
Sufficiency
(DS)

Machine M and Machine N working alone at their constant rates, non stop, produced 6000 and 8000 nails respectively. Did machine M work longer than machine N?

- (1) Machine N produces 2000 more nails than machine M in one hour when each machine work at its constant rate
(2) Machine N produces twice as much as machine M in one hour when each machine work at its constant rate

8 In the xy plane, line x goes through the point (a,1) and line y goes through the point (1,b) by BabySmurf

<http://gmatclub.com/forum/topic-163539.html>

Tags: Coordinate Geometry | Source: GMAT Prep | Difficulty: 700-Level

GMAT Data
Sufficiency
(DS)



In the xy plane, line x goes through the point $(a,1)$ and line y goes through the point $(1,b)$. If the lines x and y intersect, is the slope of x bigger than the slope of y ?

- (1) $a > b$
- (2) $|a| > |b|$

Appreciate if someone could help with the following question. Appreciate also referrals/links to similar questions to digest the subject/theory behind this better. Thanks.

9 If there are more than two numbers in a certain list, is by devinawilliam83

<http://gmatclub.com/forum/topic-128114.html>

Tags: Difficulty: 600-700 Level | Statistics and Sets Problems | Source: GMAT Prep

GMAT Data
Sufficiency
(DS)

If there are more than two numbers in a certain list, is each of the numbers in the list equal to 0?

- (1) The product of any two numbers in the list is equal to 0.
- (2) The sum of any two numbers in the list is equal to 0.

Am unable to understand how the answer is B
from II u can have a positive and a negative number totaling to 0 eg. $1+(-1)$.
However if we combine both statements the value of all elements is 0.. PI Help

10 What is the hundredths digit of th decimal Z? by mydreammba

<http://gmatclub.com/forum/topic-126671.html>

Tags: Source: GMAT Prep | Fractions/Ratios/Decimals | Difficulty: 600-700 Level

GMAT Data
Sufficiency
(DS)

What is the hundredths digit of th decimal Z?

- (1) The tenths digit of $100z$ is 2
- (2) The units digit of $1,000z$ is 2



The list of ANSWERS:

Answer

1	A
2	B
3	D
4	D
5	B
6	C
7	B
8	E
9	B
10	E



The list of questions from GMAT Club forum

2. DS GMAT Prep.

generated on **November 29, 2016**

by **SajjadAhmad**





1 For the students in class A, the range of their heights is r by BANON

<http://gmatclub.com/forum/topic-128004.html>

Tags: Difficulty: Sub-600 Level | Source: GMAT Prep | Statistics and Sets Problems | Word Problems | Source: GMAT Prep QP1

GMAT Data
Sufficiency
(DS)

For the students in class A, the range of their heights is r centimeters and the greatest height is g centimeters. For the students in class B, the range of their heights is s centimeters and the greatest height is h centimeters. Is the least height of the students in class A greater than the least height of the students in class B?

- (1) $r < s$
- (2) $g > h$

2 Lines n and p lie in the xy -plane. Is the slope of line n by BANON

<http://gmatclub.com/forum/topic-127999.html>

Tags: Difficulty: 600-700 Level | Coordinate Geometry | Source: GMAT Prep

GMAT Data
Sufficiency
(DS)

Lines n and p lie in the xy -plane. Is the slope of line n less than the slope of line p ?

- (1) Lines n and p intersect at the point $(5, 1)$.
- (2) The y -intercept of line n is greater than the y -intercept of line p .

3 If p and q are positive integers, what is the value of q ? by Stiv

<http://gmatclub.com/forum/topic-135032.html>

Tags: Exponents/Powers | Source: GMAT Prep | Difficulty: Sub-600 Level

GMAT Data
Sufficiency
(DS)

If p and q are positive integers, what is the value of q ?

- (1) $q^{p-1} = 1$
- (2) $p = 1$

4 In the triangle above, is $x > 90$? by enigma123

<http://gmatclub.com/forum/topic-134228.html>

Tags: Difficulty: 600-700 Level | Geometry | Source: GMAT Prep

GMAT Data
Sufficiency
(DS)

Attachment:



triangle.GIF [1.66 KiB | Viewed 2847 times]

In the triangle above, is $x > 90$?

- (1) $a^2 + b^2 < 15$
- (2) $c > 4$

5 Is the average (arithmetic mean) of 5 different positive by piyushksharma

<http://gmatclub.com/forum/topic-132144.html>

Tags: Difficulty: 600-700 Level | Source: GMAT Prep | Statistics and Sets Problems

GMAT Data
Sufficiency
(DS)

Is the average (arithmetic mean) of 5 different positive integers at least 30?

- (1) Each of the integers is a multiple of 10
- (2) The sum of the 5 integers is 160



- 6 Is x positive? by jayoptimist
<http://gmatclub.com/forum/topic-136509.html>

GMAT Data
Sufficiency
(DS)

Tags: Difficulty: 600-700 Level | Inequalities | Source: GMAT Prep

Is x positive?

- (1) $1/(x+1) < 1$
(2) $(x-1)$ is a perfect square.

What is wrong with the following line of thought for condition 1

$$1/(x+1) < 1$$

$$1 < (x+1)$$

$$1 - 1 < x + 1 - 1$$

$$0 < x \text{ Hence } x > 0.$$

- 7 In the xy-plane shown, is the slope of the line L negative ? by guerrero25
<http://gmatclub.com/forum/topic-161116.html>

GMAT Data
Sufficiency
(DS)

Tags: Coordinate Geometry | Source: GMAT Prep | Difficulty: Sub-600 Level

Attachment:

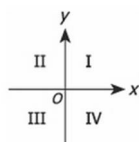


Imagen1.jpg [3.69 KiB | Viewed 2414 times]

In the xy-plane shown, is the slope of the line L negative ?

- (1) Line L passes through a point that is in quadrant 3
(2) Line L passes through a point that is in quadrant 4

- 8 In the sequence shown, $a_n = a_{(n-1)} + k$, where $2 \leq n \leq 15$ and k by mushyyy
<http://gmatclub.com/forum/topic-126119.html>

GMAT Data
Sufficiency
(DS)

Tags: Sequences | Source: GMAT Prep | Difficulty: 700-Level

Given a sequence: $a_1, a_2, a_3, \dots, a_{14}, a_{15}$

In the sequence shown, $a_n = a_{n-1} + k$, where $2 \leq n \leq 15$ and k is a nonzero constant. How many of the terms in the sequence are greater than 10?

- (1) $a_1 = 24$
(2) $a_8 = 10$

- 9 Both Betty and Wilma earn annual salaries of more than \$5000 by enigma123
<http://gmatclub.com/forum/topic-134229.html>

GMAT Data
Sufficiency
(DS)

Tags: Difficulty: 600-700 Level | Source: GMAT Prep | Word Problems

Both Betty and Wilma earn annual salaries of more than \$50000. Is Wilma's annual salary greater than Betty's?

- (1) Betty's annual salary is closer to \$50,000 than is Wilma's.
(2) Betty's annual salary is closer to \$35,000 than it is to Wilma's annual salary.



10

Did one of the 3 members of a certain team sell at least 2 by saurabhkhatrinitk

<http://gmatclub.com/forum/topic-136811.html>

Tags: Difficulty: 700-Level | Source: GMAT Prep | Word Problems

GMAT Data
Sufficiency
(DS)

Did one of the 3 members of a certain team sell at least 2 raffle tickets yesterday?

- (1) The 3 members sold a total of 6 raffle tickets yesterday.
- (2) No 2 of the members sold the same number of raffle tickets yesterday.

Acc to (1) one should mean only 1 member sold atleast 2 raffle, NOT atleast one member sold atleast 2 raffle.
Hence, the two contradictory options should be :
0,0,6- one member sold atleast 2 raffle
2,2,2- more than one member sold atleast 2 raffle.

Please explain why should

[\[Reveal\]](#) Spoiler:

D be the answer. This is a Q from GMAT Prep with D as answer, please take notice.



The list of ANSWERS:

Answer

1 C

2 C

3 E

4 C

5 D

6 B

7 E

8 B

9 D

10 D



The list of questions from GMAT Club forum

3. DS GMAT Prep.

generated on **November 29, 2016**

by **SajjadAhmad**





- 1 What is the remainder when the positive integer x is divided by 6? by enigma123
<http://gmatclub.com/forum/topic-126397.html>

GMAT Data
Sufficiency
(DS)

Tags: Source: GMAT Prep | Remainders | Difficulty: 600-700 Level

What is the remainder when the positive integer x is divided by 6?

- (1) When x is divided by 2, the remainder is 1; and when x is divided by 3, the remainder is 0
(2) When x is divided by 12, the remainder is 3.

- 2 If n is a positive integer and r is the remainder when $(n-1)$ is divided by 24, what is the value of r ? by enigma123
<http://gmatclub.com/forum/topic-126393.html>

GMAT Data
Sufficiency
(DS)

Tags: Remainders | Source: GMAT Prep | Difficulty: 700-Level

If n is a positive integer and r is the remainder when $(n-1)(n+1)$ is divided by 24, what is the value of r ?

- (1) n is not divisible by 2
(2) n is not divisible by 3

[Reveal] Spoiler:

As the OA is not provided can someone please let me know whether my solution is correct or not?

Considering question stem

Cannot be simplified any further apart from prime factorization for 24 which are $2^3 * 3$

Considering Statement 1

n is ODD.

When $n=1$ Remainder will be zero.
 $n=3$ Remainder won't be zero
 $n=5$ Remainder will be zero
Two answers therefore insufficient.

Considering Statement 2

n is not a multiple of 3. As it will give different value of r this statement alone is insufficient.

Combining both statement 1 & 2

n is not a multiple of 6 i.e. 2 and 3. So n is prime without 2. Therefore n can be 5, 7, 11,...etc and the remainder will be ZERO. Therefore answer should be C i.e. both statements together are sufficient to answer the question.

- 3 Rasheed bought two kinds of candy bars, chocolate and toffee by enigma123
<http://gmatclub.com/forum/topic-129470.html>

GMAT Data
Sufficiency
(DS)

Tags: Source: GMAT Prep | Fractions/Ratios/Decimals | Word Problems | Difficulty: 700-Level

Rasheed bought two kinds of candy bars, chocolate and toffee, that came in packages of 2 bars each. He handed out $\frac{2}{3}$ of the chocolate bars and $\frac{3}{5}$ of the toffee bars. How many packages of chocolate bars did Rasheed buy?

- (1) Rasheed bought 1 fewer package of chocolate bars than toffee bars.
(2) Rasheed handed out the same number of each kind of candy bar.

The term that threw me off in this question is word "Packages".

- 4 If $x > 0$, is $x^2 < x$? by smartyman
<http://gmatclub.com/forum/topic-227275.html>

GMAT Data
Sufficiency
(DS)

Tags: Inequalities | Source: GMAT Prep | Difficulty: Sub-600 Level



If $x > 0$, is $x^2 < x$?

- (1) $0.1 < x < 0.4$
(2) $x^3 > x^2$

Dear experts, I know that this question has been discussed before but I still find it difficult to accept the official answer. Please help.

5 Of the N candies in a bag, some are peppermint and the rest by mun23

<http://gmatclub.com/forum/topic-149856.html>

Tags: Source: GMAT Prep | Difficulty: 600-700 Level | Word Problems

GMAT Data
Sufficiency
(DS)

Of the N candies in a bag, some are peppermint and the rest are spearmint. What is the value of N?

(1) If 1 peppermint candy were removed from the N candies, $\frac{1}{5}$ of the remaining candies would be peppermint.

(2) If 2 spearmint candies were removed from the N candies, $\frac{1}{4}$ of the remaining candies would be peppermint.

Need help

6 If t is a positive integer and r is the remainder when t^2+5 by dparc

<http://gmatclub.com/forum/topic-128031.html>

Tags: Source: GMAT Prep | Difficulty: 700-Level | Remainders

GMAT Data
Sufficiency
(DS)

If t is a positive integer and r is the remainder when t^2+5t+6 is divided by 7, what is the value of r?

- (1) When t is divided by 7, the remainder is 6.
(2) When t^2 is divided by 7, the remainder is 1.

[Reveal] Spoiler:

...

(1) means $t=7n+6$.

$$\Rightarrow t^2=(7n+6)^2=49n^2+84n+36=49n^2+84n+35+1$$

$$\Rightarrow 5t=35n+30=35n+28+2$$

$$\text{remainders } 1+2+6=9=7+2$$

Remainder of t^2+5t+6 is 2????

I don't really get this :-

7 If m and n are integers and $x > 0$, what is the value of $x^m + x^n$? by newbornmuse

<http://gmatclub.com/forum/topic-172887.html>

Tags: Algebra | Exponents/Powers | Source: GMAT Prep | Difficulty: Sub-600 Level

GMAT Data
Sufficiency
(DS)

If m and n are integers and $x > 0$, what is the value of $x^m + x^n$?

- (1) $x^m = 81$
(2) $1+x^{n-m} = 10$

8 If $x = \frac{1}{2}$, is y equal to 1? by pradeepss

<http://gmatclub.com/forum/topic-161330.html>

Tags: Inequalities | Source: GMAT Prep | Difficulty: Sub-600 Level

GMAT Data
Sufficiency
(DS)



If $x = 1/2$, is y equal to 1?

- (1) $y^2(x + 1/2) = 1$
(2) $y(2x - 1) = 2x - y$

[Reveal] Spoiler:

why is GMAT so biased on $\sqrt{y} = 1$. I mean, why $\sqrt{y}$ not equal to 1, instead it is $+$ or $-$ 1? for GMAT $\sqrt{1} = 1$

- 9 Henry purchased 3 items during a sale. He received a 20 percent discount off the regular price of the most expensive item and a 10 percent discount off the regular price of each of the other 2 items. Was the total amount of the 3 discounts greater than 15 percent of the sum of the regular prices of the 3 items?
<http://gmataclub.com/forum/topic-126613.html>

GMAT Data
Sufficiency
(DS)

Tags: Word Problems | Percent and Interest Problems | Source: GMAT Prep | Difficulty: 700-Level | Source: GMAT Prep EP 1

Henry purchased 3 items during a sale. He received a 20 percent discount off the regular price of the most expensive item and a 10 percent discount off the regular price of each of the other 2 items. Was the total amount of the 3 discounts greater than 15 percent of the sum of the regular prices of the 3 items?

- (1) The regular price of the most expensive item was \$50, and the regular price of the next most expensive item was \$20
(2) The regular price of the least expensive item was \$15

[Reveal] Spoiler:

Attachment:

Henry purchased 3 items during a sale. He received a 20 percent discount off the regular price of the most expensive item and a 10 percent discount off the regular price of each of the other 2 items. Was the total amount of the 3 discounts greater than 15 percent of the sum of the regular prices of the 3 items?

- (1) The regular price of the most expensive item was \$50, and the regular price of the next most expensive item was \$20.
(2) The regular price of the least expensive item was \$15.

- ☐ Statement (1) ALONE is sufficient, but statement (2) alone is not sufficient.
☐ Statement (2) ALONE is sufficient, but statement (1) alone is not sufficient.
☒ BOTH statements TOGETHER are sufficient, but NEITHER statement ALONE is sufficient.
☐ EACH statement ALONE is sufficient.
☐ Statements (1) and (2) TOGETHER are NOT sufficient.

Henry discount on items.GIF [14.71 KiB | Viewed 8977 times]

- 10 Is the measure of one of the interior angles of a triangle equal to the average of the measures of the other two interior angles?
<http://gmataclub.com/forum/topic-127226.html>

GMAT Data
Sufficiency
(DS)

Tags: Geometry | Difficulty: 700-Level | Source: GMAT Prep



Is the measure of one of the interior angles of quadrilateral ABCD equal to 60 degrees?

- (1) Two of the interior angles of ABCD are right angles.
- (2) The degree measure of angle ABC is twice the degree measure of angle BCD

[\[Reveal\]](#) Spoiler:

As the OA is not given, I have gone for answer C and this is how I reached. Please let me know whether I am right.

First, we know that the sum of 4 angles of a quadrilateral is 360 degrees.

Now, considering statement 1

Two angles are right angles. Not sufficient as it doesn't say anything about the other two angles.

Considering Statement 2

Not sufficient as it doesn't say anything about the other two angles.

Combining both statements

We can find the 4th angle as below

$$90+90+90+x = 360$$

$$270+x = 360$$

$x = 90$. where x is the 4th angle. So the answer is NO the angle won't be 60 degrees.



The list of ANSWERS:

Answer

1	D
2	C
3	C
4	D
5	C
6	A
7	C
8	B
9	A
10	E



The list of questions from GMAT Club forum

4. DS GMAT Prep.

generated on **November 29, 2016**

by **SajjadAhmad**





- 1 If n is a positive integer, is $n^3 - n$ divisible by 4? by Impenetrable
<http://gmataclub.com/forum/topic-128932.html>

GMAT Data
Sufficiency
(DS)

Tags: Divisibility/Multiples/Factors | Source: GMAT Prep | Difficulty: 600-700 Level

If n is a positive integer, is $n^3 - n$ divisible by 4?

- (1) $n = 2k + 1$, where k is an integer
(2) $n^2 + n$ is divisible by 6

- 2 Is $n(n+1)(n+2)$ divisible by 24? by PrepTap
<http://gmataclub.com/forum/topic-197090.html>

GMAT Data
Sufficiency
(DS)

Tags: Difficulty: 700-Level | Divisibility/Multiples/Factors | Number Properties | Source: GMAT Prep

Is $n(n+1)(n+2)$ divisible by 24?

- (1) n is even
(2) $(n+1)$ is divisible by 3 but not by 6

This question is a part of the series of original questions posted by PrepTap. Follow us to receive more questions like this.

- 3 A certain cake has two layers with pieces of fruit on top of by lazarogb
<http://gmataclub.com/forum/topic-143397.html>

GMAT Data
Sufficiency
(DS)

Tags: Source: GMAT Prep | Difficulty: 600-700 Level | Word Problems

A certain cake has two layers with pieces of fruit on top of each layer. Of all the pieces of fruit on the cake, 25 percent are strawberries. How many pieces of fruit are on the first layer of the cake?

- (1) Of the pieces of fruit on the first layer, 6 are strawberries.
(2) 20 percent of the 20 pieces of fruit on the second layer are strawberries.

- 4 If x and y are integers, is the value of $x(y + 1)$ even? by fozzzy
<http://gmataclub.com/forum/topic-149236.html>

GMAT Data
Sufficiency
(DS)

Tags: Number Properties | Source: GMAT Prep | Difficulty: 700-Level

If x and y are integers, is the value of $x(y + 1)$ even?

- (1) x and y are prime numbers.
(2) $y > 7$

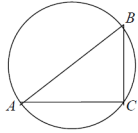
[Reveal] Spoiler:

Why is the answer C I'm getting E aren't there multiple cases when the statements are combined?

- 5 In the figure shown, triangle ABC is inscribed in the circle. What is by shakticnb
<http://gmataclub.com/forum/topic-204842.html>

GMAT Data
Sufficiency
(DS)

Tags: Geometry | Source: GMAT Prep | Difficulty: Sub-600 Level

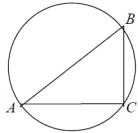


In the figure shown, triangle ABC is inscribed in the circle. What is the circumference of the circle?

- (1) AB is a diameter of the circle.
- (2) The ratio of the lengths of BC, AC, and AB, respectively, is 3 : 4 : 5.

[Reveal] Spoiler:

Attachment:



geometry.png [5.88 KiB | Viewed 2422 times]

6 Pam owns an inventory of unopened packages of corn and rice by Vinayprajapati

<http://gmatclub.com/forum/topic-216747.html>

Tags: Word Problems | Source: GMAT Prep | Difficulty: 700-Level

GMAT Data
Sufficiency
(DS)

Pam owns an inventory of unopened packages of corn and rice, which she has purchased for \$17 and \$13 per package, respectively. How many packages of corn does she have ?

1. She has \$282 worth of packages
2. She has twice as many packages of corn as of rice

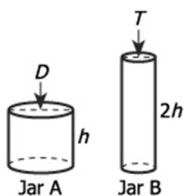
7 A supermarket sells a certain brand of jelly in two jars of d by fozzzy

<http://gmatclub.com/forum/topic-145972.html>

Tags: Geometry | Source: GMAT Prep | Difficulty: Sub-600 Level

GMAT Data
Sufficiency
(DS)

Attachment:



Cylinder.jpg [13.67 KiB | Viewed 4044 times]

A supermarket sells a certain brand of jelly in two jars of different sizes, as shown above. Jar A is a right circular cylinder with inside diameter D and inside Height h ; Jar B is a right circular cylinder with inside diameter T and inside height $2h$. Assuming each jar is filled to capacity, which jar of jelly will cost less per unit volume?

- (1) The relationship between the diameters of Jar A and Jar B is $3T = 2D$.
- (2) Jar A costs \$1.59 and Jar B costs 1.39

I'm interested in a detailed solution if this question was asked as a problem solving question. Any help will be appreciated. Thanks!

8 If x is a positive integer, is x a prime integer? by suprememodellrus

<http://gmatclub.com/forum/topic-146312.html>

Tags: Source: GMAT Prep | Number Properties | Difficulty: 700-Level

GMAT Data
Sufficiency
(DS)



If x is a positive integer, is x a prime integer?

- (1) $x+1$ is a prime number.
- (2) $x-5$ is a prime number.

Can't figure it out.

9 What was Jean's insurance premium in 1995 ? by Shree9975

<http://gmatclub.com/forum/topic-203523.html>

Tags: Fractions/Ratios/Decimals | Source: GMAT Prep | Difficulty: Sub-600 Level

GMAT Data
Sufficiency
(DS)

What was Jean's insurance premium in 1995 ?

- (1) The ratio of Jean's insurance premium in 1995 to her insurance premium in 1994 was $\frac{5}{6}$.
- (2) Jean's insurance premium in 1995 was 20 percent more than her insurance premium in 1994.

10 Is $x > y$? by Stiv

<http://gmatclub.com/forum/topic-135155.html>

Tags: Inequalities | Source: GMAT Prep | Difficulty: 600-700 Level

GMAT Data
Sufficiency
(DS)

Is $x > y$?

- (1) $ax > ay$
- (2) $a^2x > a^2y$



The list of ANSWERS:

Answer

1	A
2	D
3	C
4	C
5	E
6	A
7	C
8	C
9	E
10	B



The list of questions from GMAT Club forum

5. DS GMAT Prep.

generated on **November 29, 2016**

by **SajjadAhmad**





- 1 If m and n are positive integers and r is the remainder when $5(10^n) + m$ is divided by 3, what is the value of r ? by fozzzy
<http://gmatclub.com/forum/topic-146027.html>

GMAT Data
Sufficiency
(DS)

Tags: Difficulty: 600-700 Level | Remainders | Source: GMAT Prep

If m and n are positive integers and r is the remainder when $5(10^n) + m$ is divided by 3, what is the value of r ?

- 1) $n=10$
2) $m=1$

- 2 If $|x+2|=4$, what is the value of x ? by imadkha
<http://gmatclub.com/forum/topic-128889.html>

GMAT Data
Sufficiency
(DS)

Tags: Absolute Values/Modules | Source: GMAT Prep | Difficulty: 600-700 Level

If $|x+2|=4$, what is the value of x ?

- (1) x^2 is different from 4
(2) $x^2 = 36$

- 3 What is the value of x ? by wizard
<http://gmatclub.com/forum/topic-128403.html>

GMAT Data
Sufficiency
(DS)

Tags: Source: GMAT Prep | Algebra | Difficulty: Sub-600 Level

What is the value of x ?

- (1) $x^2 + y^2 = 25$
(2) $xy = 12$

Thanks for your help.

- 4 If a certain store purchased a computer game and then sold it for \$50, was the store's gross profit from the purchase and sale of the game less than \$8? by fozzzy
<http://gmatclub.com/forum/topic-145903.html>

GMAT Data
Sufficiency
(DS)

Tags: Source: GMAT Prep | Word Problems | Difficulty: 700-Level

If a certain store purchased a computer game and then sold it for \$50, was the store's gross profit from the purchase and sale of the game less than \$8?

- (1) The store's gross profit from the purchase and sale of the game was less than 25 percent of the amount for which the store purchased the game
(2) The store's gross profit from the purchase and sale of the game was greater than 10 percent of the amount for which the store purchased the game

- 5 If $\frac{2}{5}$ of the students at College C are business majors, what is the number of female students at College C? by Stiv
<http://gmatclub.com/forum/topic-135545.html>

GMAT Data
Sufficiency
(DS)

Tags: Difficulty: 700-Level | Source: GMAT Prep | Word Problems

If $\frac{2}{5}$ of the students at College C are business majors, what is the number of female students at College C?

- (1) $\frac{2}{5}$ of the male students at College C are business majors.
(2) 200 of the female students at College C are business majors.

- 6 In a recent survey, twenty families reported their incomes by goodyear2013
<http://gmatclub.com/forum/topic-169518.html>

GMAT Data
Sufficiency
(DS)

Tags: Difficulty: 600-700 Level | Word Problems | Source: GMAT Prep | Source: GMAT Prep QP1



In a recent survey, twenty families reported their incomes for 1995. Was the range of reported 1995 incomes for these families greater than \$60,000?

- (1) Thirteen of the reported incomes were between \$20,000 and \$35,000.
- (2) Seven of the reported incomes were between \$80,000 and \$95,000.

7 If the integers a and n are greater than 1 and the product by subhajeet
<http://gmatclub.com/forum/topic-132382.html>

Tags: Difficulty: 700-Level | Exponents/Powers | Source: GMAT Prep

GMAT Data
Sufficiency
(DS)

If the integers a and n are greater than 1 and the product of the first 8 positive integers is a multiple of a^n , what is the value of a ?

- (1) $a^n = 64$
- (2) $n = 6$

8 What is the remainder when the positive integer n is divided by windofchange
<http://gmatclub.com/forum/topic-161170.html>

Tags: Difficulty: 600-700 Level | Remainders | Source: GMAT Prep

GMAT Data
Sufficiency
(DS)

What is the remainder when the positive integer n is divided by 12?

- (1) When n is divided by 6, the remainder is 1.
- (2) When n is divided by 12, the remainder is greater than 5.

My approach:

[Reveal] Spoiler:

From (1): $n = 6p + 1$

$p = 1 \Rightarrow n = 7 \Rightarrow$ remainder of $\frac{n}{12} = 7$

$p = 2 \Rightarrow n = 13 \Rightarrow$ remainder of $\frac{n}{12} = 1$

$p = 3 \Rightarrow n = 19 \Rightarrow$ remainder of $\frac{n}{12} = 7$

$p = 4 \Rightarrow n = 25 \Rightarrow$ remainder of $\frac{n}{12} = 1$

$p = 5 \Rightarrow n = 31 \Rightarrow$ remainder of $\frac{n}{12} = 7$

$p = 6 \Rightarrow n = 37 \Rightarrow$ remainder of $\frac{n}{12} = 1$

So remainder can be 7 or 1 $\Rightarrow$ insufficient

From (2): we can say that $5 < R < 12$, so $R = 6; 7; 8; 9; 10; 11 \Rightarrow$ insufficient

From (1) and (2): remainder = 7

However my approach is time-consuming. Please share yours. Thanks ☺

9 Which of Company X and Company Y earned the greater gross by maybeam
<http://gmatclub.com/forum/topic-136200.html>

Tags: Difficulty: 600-700 Level | Source: GMAT Prep | Word Problems

GMAT Data
Sufficiency
(DS)



Which of Company X and Company Y earned the greater gross profit last year?

- (1) Last year the expenses of Company X were $\frac{5}{6}$ of the expenses of Company Y.
- (2) Last year the revenues of Company X were \$6 million less than the revenues of Company Y.

Quote:

what i did.

statement I & II independently insufficient.

Taking together,

let Y expenses be 6m
X expenses= 5m

Let Y revenue= 12m
X revenue= 12-6=6m

y profit= exp*R= $6 \times 12 = 72$ m
x profit= $5 \times 6 = 30$ m

therefore, Y profit > X profit.

Both statement together suff.

Now my Q is why is it wrong?

10

What is the value of x? by carcass

<http://gmatclub.com/forum/topic-138942.html>

Tags: Difficulty: 600-700 Level | Algebra | Source: GMAT Prep

GMAT Data
Sufficiency
(DS)

What is the value of x?

(1) $3(x-1) = y+3x$

(2) $(x+2)(y+3) = 0$

After some discussion. Thanks to all of you 😊



The list of ANSWERS:

Answer

1	B
2	D
3	E
4	E
5	C
6	E
7	B
8	C
9	E
10	E



The list of questions from GMAT Club forum

6. DS GMAT Prep.

generated on **November 29, 2016**

by **SajjadAhmad**





- 1 If each customer at the outdoor movie last night came in a c by DelSingh
<http://gmatclub.com/forum/topic-157982.html>

GMAT Data
Sufficiency
(DS)

Tags: Statistics and Sets Problems | Source: GMAT Prep | Difficulty: Sub-600 Level

If each customer at the outdoor movie last night came in a car, what was the number of cars in which the customers came to the outdoor movie last night?

- 1) The average (arithmetic mean) number of customers per car coming to the outdoor movie last night was 2.
- 2) Total receipts at the outdoor movie last night were \$4,500 at \$5 per customer .

[Reveal] Spoiler:
Source:GMAT Prep Question Pack 1
Difficulty: Medium

This is a fairly simple DS problem, however, I got tricked when I had to choose between C or E.

First, I thought this question was similar to this:
<http://gmatclub.com/forum/will-the-first-10-volumes-of-a-20-volume-encyclopedia-fit-128155.html?fl=similar>

When combining C and E, I picked E because statement 1 said the average person per car was 2. The word "average" threw me off because it was an average and not a solid number of people. However, the OA is C.

1&2)

$$4500/5 = 900 \text{ customers}$$

$$900/2 = 450 \text{ cars}$$

Can anyone provide any similar DS questions whose tricks use averages in this way?

- 2 Is $n > 6$? by gmatprep2011
<http://gmatclub.com/forum/topic-136517.html>

GMAT Data
Sufficiency
(DS)

Tags: Inequalities | Source: GMAT Prep | Difficulty: Sub-600 Level | Roots

Is $n > 6$?

- (1) $\sqrt{n} > 2.5$
- (2) $n > \sqrt{37}$

[Reveal] Spoiler:
The answer to option 2 can be $n > 6$ or $n < -6$. Please explain why option 2 is sufficient. Thanks.

- 3 If Company M ordered a total of 50 computers and printers and Company N ordered a total of 60 computers and printers, how many computers did Company M order? by Primate411
<http://gmatclub.com/forum/topic-224328.html>

GMAT Data
Sufficiency
(DS)

Tags: Difficulty: 600-700 Level | Word Problems | Source: GMAT Prep

If Company M ordered a total of 50 computers and printers and Company N ordered a total of 60 computers and printers, how many computers did Company M order?

- (1) Company M and Company N ordered the same number of computers.
- (2) Company N ordered 10 more printers than Company M.

4 Are x and y both positive? by Primate411
<http://gmatclub.com/forum/topic-224327.html>

Tags: Arithmetic | Source: GMAT Prep | Difficulty: 700-Level

GMAT Data
Sufficiency
(DS)

Are x and y both positive?

(1) $2x - 2y = 1$

(2) $[x]/[y] > 1$

5 Is the positive integer n an odd integer? by Stiv
<http://gmatclub.com/forum/topic-131647.html>

Tags: Difficulty: 600-700 Level | Source: GMAT Prep | Number Properties

GMAT Data
Sufficiency
(DS)

Is the positive integer n an odd integer?

(1) $n+4$ is a prime number.

(2) $n+3$ is not a prime number.

6 Each person in a certain group supports only one of two cand by fozzzy
<http://gmatclub.com/forum/topic-162061.html>

Tags: Word Problems | Source: GMAT Prep | Difficulty: 600-700 Level

GMAT Data
Sufficiency
(DS)

Each person in a certain group supports only one of two candidates R and T. Of the people in the group, 45 percent support Candidate R and the rest support Candidate T. How many people in the group are in favor of a flat tax ?

(1) Of the people in the group who support Candidate R, 58 percent are in favor of flat tax

(2) Of the people in the group who support Candidate T, 22 are in favor of a flat tax.

[Reveal] Spoiler:

My question is regarding statement 2. If we were given that it was 22 percent instead of the number 22, then the 2 statements combined will be sufficient (answer choice C) is this correct?

7 Is the integer k greater than 3 ? by ramonguib
<http://gmatclub.com/forum/topic-223693.html>

Tags: Difficulty: Sub-600 Level | Exponents/Powers | Source: GMAT Prep

GMAT Data
Sufficiency
(DS)

Is the integer k greater than 3 ?

(1) The sum of -4 and k equals the square of an integer.

(2) k equals the square of an integer.

8 At a certain company, average (arithmetic mean) number of by prashi82
<http://gmatclub.com/forum/topic-137851.html>

Tags: Difficulty: 600-700 Level | Arithmetic | Source: GMAT Prep

GMAT Data
Sufficiency
(DS)

At a certain company, average (arithmetic mean) number of years of experience is 9.8 years for male employees and 9.1 years for the female employees. What is the ratio of the number of the company's male employees and the number of the company's female employees?

(1) There are 52 male employees at the company

(2) The average number of years of experience for the company's male and female employees combined is 9.3 years.



- 9 The integers r , s and t all have the same remainder when divided by 5. What is the value of t ? by imhimanshu
<http://gmatclub.com/forum/topic-160341.html>

GMAT Data
Sufficiency
(DS)

Tags: Difficulty: 700-Level | Remainders | Source: GMAT Prep | Source: GMAT Prep EP 1

The integers r , s and t all have the same remainder when divided by 5. What is the value of t ?

- (1) $r + s = t$
(2) $20 \leq t \leq 24$

- 10 Ellen can purchase a certain computer at a local store at the price of p dollars and pay a 6 percent sales tax. Alternatively, Ellen can purchase the same computer from a catalog for a total of q dollars, including all taxes and shipping costs. Will it cost more for Ellen to purchase the computer from the local store than from the catalog? by SUNGMAT710
<http://gmatclub.com/forum/topic-159537.html>

GMAT Data
Sufficiency
(DS)

Tags: Difficulty: 700-Level | Percent and Interest Problems | Source: GMAT Prep | Word Problems

Ellen can purchase a certain computer at a local store at the price of p dollars and pay a 6 percent sales tax. Alternatively, Ellen can purchase the same computer from a catalog for a total of q dollars, including all taxes and shipping costs. Will it cost more for Ellen to purchase the computer from the local store than from the catalog?

- (1) $q - p < 50$
(2) $q = 1,150$



The list of ANSWERS:

Answer

1	C
2	D
3	E
4	C
5	A
6	E
7	A
8	B
9	C
10	C



The list of questions from GMAT Club forum

7. DS GMAT Prep.

generated on **November 29, 2016**

by **SajjadAhmad**





- 1 If d is a positive integer and f is the product of the first d positive integers, what is the value of d ? by enigma123
<http://gmatclub.com/forum/topic-126692.html>

GMAT Data
Sufficiency
(DS)

Tags: Number Properties | Source: GMAT Prep | Difficulty: 700-Level

If d is a positive integer and f is the product of the first 30 positive integers, what is the value of d ?

- (1) 10^d is a factor of f
(2) $d > 6$

- 2 If Company M ordered a total of 50 computers and printers and Company N ordered a total of 60 computers and printers, how many printers did company M order? by mjc2110
<http://gmatclub.com/forum/topic-146492.html>

GMAT Data
Sufficiency
(DS)

Tags: Difficulty: 600-700 Level | Word Problems | Source: GMAT Prep

If Company M ordered a total of 50 computers and printers and Company N ordered a total of 60 computers and printers, how many printers did company M order?

- (1) Company M and Company N ordered the same number of computers
(2) Company N ordered 10 more printers than Company M

[Reveal] Spoiler:
I get stuck in this one! Why is not C the right answer??? 🤔

Thanks!!

- 3 If u , v , and w are integers, is $u > 0$? by HarveyKlaus
<http://gmatclub.com/forum/topic-222548.html>

GMAT Data
Sufficiency
(DS)

Tags: Algebra | Source: GMAT Prep | Difficulty: Sub-600 Level

If u , v , and w are integers, is $u > 0$?

- (1) $u = v^2 + 1$
(2) $u = w^4 + 1$

- 4 Is the positive integer x divisible by each integer from 2 through 6? by pego2008
<http://gmatclub.com/forum/topic-218528.html>

GMAT Data
Sufficiency
(DS)

Tags: Divisibility/Multiples/Factors | Source: GMAT Prep | Difficulty: 700-Level

Is the positive integer x divisible by each integer from 2 through 6?

- (1) $x = 10m$, where m is a positive integer divisible by each integer from 2 through 5
(2) $10x = n$, where n is a positive integer divisible by each integer from 2 through 9

- 5 If x and y are positive, what is $x+y$? by imhimanshu
<http://gmatclub.com/forum/topic-161237.html>

GMAT Data
Sufficiency
(DS)

Tags: Exponents/Powers | Source: GMAT Prep | Difficulty: 700-Level

If x and y are positive, what is $x+y$?

- (1) $2^x \cdot 3^y = 72$
(2) $2^x \cdot 2^y = 32$



6 Is x less than 20? by enigma123
<http://gmatclub.com/forum/topic-129377.html>

Tags: Difficulty: Sub-600 Level | Source: GMAT Prep | Inequalities

GMAT Data
Sufficiency
(DS)

Is x less than 20?

- (1) The sum of x and y is less than 20.
- (2) y is less than 20.

7 If $x^2 = y^2$, what is the value of $x-y$? by EBITDA
<http://gmatclub.com/forum/topic-221886.html>

Tags: Difficulty: 600-700 Level | Source: GMAT Prep | Poor Quality | Algebra

GMAT Data
Sufficiency
(DS)

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

- 1) $x+y = 8$
- 2) $x/y = -1$

My doubt is:

I cannot simplify equation 2) as follows:

$$x/y * y = -1 * y \rightarrow x = -y$$

... because I would be assuming that y is positive.

Am I wrong?

Thank you.

8 Sofia will attend a sequence of daily training sessions for her job. On the last day of her training sessions she will attend either 1 session or 2 sessions. On each of the other days of her training sessions she will attend exactly 2 sessions. At the end of her third day of attending training sessions, how many sessions will Sofia have left to attend?

Tags: Difficulty: 600-700 Level | Arithmetic | Sequences | Source: GMAT Prep

GMAT Data
Sufficiency
(DS)

Sofia will attend a sequence of daily training sessions for her job. On the last day of her training sessions she will attend either 1 session or 2 sessions. On each of the other days of her training sessions she will attend exactly 2 sessions. At the end of her third day of attending training sessions, how many sessions will Sofia have left to attend?

- (1) The sequence of training sessions Sofia will attend will last 6 days
- (2) There are a total of 11 training sessions in the sequence of training sessions Sofia will attend

9 Is $x < w$? by aniketm.87@gmail.com
<http://gmatclub.com/forum/topic-221746.html>

Tags: Difficulty: 600-700 Level | Source: GMAT Prep | Inequalities

GMAT Data
Sufficiency
(DS)

Is $x < w$?

- (1) $x - w < x$
- (2) $x + w < w$

10 Of the 1,000 companies responding to a certain survey, what by HarveyS
<http://gmatclub.com/forum/topic-166970.html>

Tags: Word Problems | Source: GMAT Prep | Difficulty: Sub-600 Level

GMAT Data
Sufficiency
(DS)



Of the 1,000 companies responding to a certain survey, what percent indicated that they had a business recovery plan?

- (1) 200 of the companies did not indicate that they had a business recovery plan.
- (2) The number of companies that indicated that they had a business recovery plan was 4 times the number that did not indicate that they had a business recovery plan.



The list of ANSWERS:

Answer

1 C

2 E

3 D

4 A

5 B

6 E

7 A

8 B

9 C

10 D



The list of questions from GMAT Club forum

8. DS GMAT Prep.

generated on **November 29, 2016**

by **SajjadAhmad**





- 1 A train traveled from Station A to Station B at an average speed of 80 by NoHalfMeasures
<http://gmataclub.com/forum/topic-172187.html>

GMAT Data
Sufficiency
(DS)

Tags: Difficulty: 600-700 Level | Distance/Rate Problems | Source: GMAT Prep

A train traveled from Station A to Station B at an average speed of 80 kilometers per hour and then from Station B to Station C at an average speed of 60 kilometers per hour. If the train did not stop at Station B, what was the average speed at which the train traveled from Station A to C?

- (1) The distance that the train traveled from Station A to Station B was 4 times the distance that train traveled from Station B to Station C.
- (2) The amount of time it took to the train to travel from Station A to Station B is 3 times the amount of time that it took the train to travel from Station B to Station C.

[Reveal] Spoiler:

Attachment:

A train traveled from Station A to Station B at an average speed of 80 kilometers per hour and then from Station B to Station C at an average speed of 60 kilometers per hour. If the train did not stop at Station B, what was the average speed at which the train traveled from Station A to Station C?

- (1) The distance that the train traveled from Station A to Station B was 4 times the distance that the train traveled from Station B to Station C.
- (2) The amount of time that it took the train to travel from Station A to Station B was 3 times the amount of time that it took the train to travel from Station B to Station C.

Screen_Shot_2012_05_15_at_8_48_47_PM.png [29.93 KiB | Viewed 3872 times]

- 2 This morning, a certain sugar container was full by kanusha
<http://gmataclub.com/forum/topic-176868.html>

GMAT Data
Sufficiency
(DS)

Tags: Percent and Interest Problems | Source: GMAT Prep | Difficulty: Sub-600 Level

This morning, a certain sugar container was full. Since then some of the sugar from this container was used to make cookies. If no other sugar was removed from or added to the container, by what percent did the amount of sugar in the container decrease?

- 1) The amount of sugar in the container after making the cookies would need to be increased by 30 percent to fill the container
- 2) Six cups of sugar from the container were used to make the cookies

Can any explain in multipliers form
Mean 30% = 0.30

- 3 At a certain high school there 20 more female sophomores by NoHalfMeasures
<http://gmataclub.com/forum/topic-172326.html>

GMAT Data
Sufficiency
(DS)

Tags: Fractions/Ratios/Decimals | Source: GMAT Prep | Difficulty: 700-Level

At a certain high school, there are 20 more female sophomores than male sophomores. How many of the female sophomores are studying geometry?

- (1) 20 percent of all the sophomores are studying geometry
- (2) 15 percent of the male sophomores are studying geometry

- 4 If $x/2 = 3/y$, is x less than y ? (1) $y \geq 3$ (2) $y \leq 4$ by NoHalfMeasures
<http://gmataclub.com/forum/topic-211774.html>

GMAT Data
Sufficiency
(DS)

Tags: Source: GMAT Prep | Inequalities | Difficulty: Sub-600 Level

If $x/2 = 3/y$, is x less than y ?

- (1) $y \geq 3$
- (2) $y \leq 4$



- 5 If p is a positive odd integer, what is the remainder when p by BANON
<http://gmatclub.com/forum/topic-128000.html>

GMAT Data
Sufficiency
(DS)

Tags: Remainders | Source: GMAT Prep | Difficulty: 700-Level

If p is a positive odd integer, what is the remainder when p is divided by 4 ?

- (1) When p is divided by 8, the remainder is 5.
(2) p is the sum of the squares of two positive integers.

- 6 If 2 different representatives are to be selected at random by BANON
<http://gmatclub.com/forum/topic-128233.html>

GMAT Data
Sufficiency
(DS)

Tags: Probability | Difficulty: 700-Level | Source: GMAT Prep

If 2 different representatives are to be selected at random from a group of 10 employees and if p is the probability that both representatives selected will be women, is $p > 1/2$?

- (1) More than $1/2$ of the 10 employees are women.
(2) The probability that both representatives selected will be men is less than $1/10$.

- 7 If water is leaking from a certain tank at a constant rate, is it leak by Jaikuz
<http://gmatclub.com/forum/topic-218565.html>

GMAT Data
Sufficiency
(DS)

Tags: Difficulty: 600-700 Level | Work/Rate Problems | Source: GMAT Prep

If water is leaking from a certain tank at a constant rate, is it leaking at a rate that is greater than 12 litres per hour?

(1 liter = 1,000 milliliters)

- (1) Water is leaking from the tank at a rate that is greater than 2 milliliters per second.
(2) Water is leaking from the tank at a rate that is less than 5 milliliters per second.

Thank you.

- 8 The sum of positive integers x and y is 77, what is the by ustureci
<http://gmatclub.com/forum/topic-126705.html>

GMAT Data
Sufficiency
(DS)

Tags: Source: GMAT Prep | Arithmetic | Difficulty: 600-700 Level | Number Properties

Here is the data sufficiency problem from GMATPrep;

The sum of positive integers x and y is 77, what is the value of xy ?

- (1) $x=y+1$
(2) x and y have the same tens digit.

I answered the question as A because i thought the statement (1) alone was sufficient. GMATPrep on the other hand said that it is a D -each statement alone is sufficient.

Here is my problem, if we do not know the statement (1), how can we decide these numbers? They of course should be with a tens digit of 3, but all those pairs as (30,37), (31,36), (32,35), (33,34) can maintain the sum of 77, with difference results when they are multiplied. It is because i did not think statement 2 is sufficient, can anyone make it clear, if the GMATPrep's answer is correct? Thanks.

- 9 Prof Liu gave the same quiz to the students in her morning class and by
aniketm.87@gmail.com
<http://gmatclub.com/forum/topic-218050.html>

GMAT Data
Sufficiency
(DS)

Tags: Difficulty: 600-700 Level | Arithmetic | Word Problems | Source: GMAT Prep



Prof Liu gave the same quiz to the students in her morning class and in her afternoon class. the average score for the two classes combined was 84. which class had more students ?

- (1) The average score for the students in the morning class was 80
- (2) the average score for the students in the afternoon class was 86

10

Yves can paint a certain fence in $\frac{1}{2}$ the time it takes Marcel to pain by NoHalfMeasures

<http://gmatclub.com/forum/topic-210352.html>

Tags: Difficulty: 600-700 Level | Work/Rate Problems | Source: GMAT Prep

GMAT Data
Sufficiency
(DS)

Yves can paint a certain fence in $\frac{1}{2}$ the time it takes Marcel to paint the same fence. If they work together, each at his own constant rate, how many hours will it take them to paint the fence?

- (1) Yves can paint the fence by himself in 3 hours.
- (2) Working together, each at his own constant rate, they can paint the fence in $\frac{1}{2}$ the time it would take Marcel, working alone, to paint the fence.



The list of ANSWERS:

Answer

1	D
2	A
3	E
4	A
5	D
6	E
7	E
8	D
9	C
10	A



The list of questions from GMAT Club forum

9. DS GMAT Prep.

generated on **November 29, 2016**

by **SajjadAhmad**





1 If sequences S has 240 terms, what is the 239th term of S ? by teeva

<http://gmatclub.com/forum/topic-160762.html>

Tags: Difficulty: 700-Level | Sequences | Source: GMAT Prep | Source: GMAT Prep EP 1

GMAT Data
Sufficiency
(DS)

If sequences S has 240 terms, what is the 239th term of S ?

- 1) Each term of S after the first term is 4 less than the preceding term
- 2) The 239th term of S is 952 less than the first term

2 What is the volume of a certain cube? by joaomario

<http://gmatclub.com/forum/topic-176165.html>

Tags: Difficulty: Sub-600 Level | Geometry | Source: GMAT Prep

GMAT Data
Sufficiency
(DS)

What is the volume of a certain cube?

- (1) The sum of the lengths of the edges of the cube is 36.
- (2) The surface area of the cube is 54.

3 A certain theater has a total of 884 seats, of which 500 are by fozzzy

<http://gmatclub.com/forum/topic-148431.html>

Tags: Word Problems | Source: GMAT Prep | Difficulty: Sub-600 Level

GMAT Data
Sufficiency
(DS)

A certain theater has a total of 884 seats, of which 500 are orchestra seats and the rest are balcony seats. When tickets for all the seats in the theater are sold, the total revenue from ticket sales is \$34,600. What was the theater's total revenue from ticket sales for last night's performance?

- (1) The price of an orchestra seat ticket is twice the price of a balcony seat ticket.
- (2) For last night's performance, tickets for all the balcony seats were sold, but only 80 percent of the tickets for the orchestra seats were sold.

4 Is the product of a certain pair of integers even? by holdem

<http://gmatclub.com/forum/topic-171235.html>

Tags: Difficulty: Sub-600 Level | Number Properties | Source: GMAT Prep

GMAT Data
Sufficiency
(DS)

Is the product of a certain pair of integers even?

- (1) The sum of the integers is odd.
- (2) One of the integers is even and the other is odd.

5 In the fraction x/y , where x and y are positive integers, wh by enigma123

<http://gmatclub.com/forum/topic-126739.html>

Tags: Number Properties | Source: GMAT Prep | Difficulty: 700-Level

GMAT Data
Sufficiency
(DS)



In the fraction x/y , where x and y are positive integers, what is the value of y ?

- (1) The least common denominator of x/y and $1/3$ is 6
(2) $x=1$

[Reveal] Spoiler:
For me the answer is C.

Statement 1 is clearly insufficient because x can take any value. Value of y has to be 6 though for LCD to be 6.

Statement 2 gives us the value of x .

Combining the two the value of y should be 6. Am I right?

6 The values of x and y vary with the value of z by NoHalfMeasures

<http://gmataclub.com/forum/topic-210384.html>

Tags: Difficulty: 700-Level | Inequalities | Source: GMAT Prep

GMAT Data
Sufficiency
(DS)

The values of x and y vary with the value of z so that each additive increase of 2 in the value of z corresponds to the value of x increasing by a factor of 2 and the value of y increasing by a factor of 3. If x and y are positive for each $z > 0$, what is the value of $x/(x+y)$ when $z=12$?

- (1) When $z=6$, $x=5y$
(2) $z=0$, $x=y+1$

7 Is $h^2 = h$? by plzdonotbugme

<http://gmataclub.com/forum/topic-152169.html>

Tags: Difficulty: Sub-600 Level | Algebra | Source: GMAT Prep

GMAT Data
Sufficiency
(DS)

Is $h^2 = h$?

- (1) $h + h = h$
(2) $h - h = h$

8 Is the total price of the items in Andrea's shopping cart less than \$2 by RSOHAL

<http://gmataclub.com/forum/topic-210503.html>

Tags: Difficulty: Sub-600 Level | Word Problems | Source: GMAT Prep

GMAT Data
Sufficiency
(DS)

Is the total price of the items in Andrea's shopping cart less than \$25.00?

- (1) There are 5 items in Andrea's shopping cart.
(2) The price of the most expensive item in Andrea's shopping cart is \$4.99

9 If set $S = \{7, y, 12, 8, x, 9\}$, is $x + y$ less than 18? by Bunuel

<http://gmataclub.com/forum/topic-186755.html>

Tags: Difficulty: 600-700 Level | Statistics and Sets Problems | Source: GMAT Prep

GMAT Data
Sufficiency
(DS)

Tough and Tricky questions: Statistics.

If set $S = \{7, y, 12, 8, x, 9\}$, is $x + y$ less than 18?

- (1) The range of set S is less than 9.
(2) The average of x and y is less than the average of set S .



10

One kilogram of a certain coffee blend consists of x by imadkho

<http://gmatclub.com/forum/topic-129623.html>

Tags: Difficulty: 700-Level | Word Problems | Source: GMAT Prep | Mixture Problems

GMAT Data
Sufficiency
(DS)

One kilogram of a certain coffee blend consists of x kilogram of type I coffee and y kilogram of type II coffee. The cost of the blend is C dollars per kilogram, where $C = 6.5x + 8.5y$. Is $x < 0.8$?

(1) $y > 0.15$

(2) $C \geq 7.30$



The list of ANSWERS:

Answer

1	E
2	D
3	C
4	D
5	E
6	A
7	D
8	C
9	B
10	B



The list of questions from GMAT Club forum

10. DS GMAT Prep.

generated on **November 29, 2016**

by **SajjadAhmad**





- 1 A certain wooded lot contains 56 oak trees. How many pine trees does by Bunuel
<http://gmataclub.com/forum/topic-206957.html>

GMAT Data
Sufficiency
(DS)

Tags: Fractions/Ratios/Decimals | Word Problems | Source: GMAT Prep | Difficulty: Sub-600 Level

A certain wooded lot contains 56 oak trees. How many pine trees does the lot contain?

- (1) The ratio of the number of oak trees to the number of pine trees in the lot is 8 to 5.
(2) If the number of oak trees were increased by 4 and the number of pine trees remained unchanged, the ratio of the number of oak trees to the number of pine trees in the lot would be 12 to 7.

Kudos for a correct solution.

- 2 What is the remainder when the positive integer n is divided by co801dw
<http://gmataclub.com/forum/topic-140692.html>

GMAT Data
Sufficiency
(DS)

Tags: Difficulty: Sub-600 Level | Source: GMAT Prep | Remainders

What is the remainder when the positive integer n is divided by 6?

- (1) n is multiple of 5
(2) n is a multiple of 12

- 3 If a and b are positive itegers, what is the value of a + b? by Stiv
<http://gmataclub.com/forum/topic-135199.html>

GMAT Data
Sufficiency
(DS)

Tags: Number Properties | Source: GMAT Prep | Divisibility/Multiples/Factors | Difficulty: Sub-600 Level

If a and b are positive integers, what is the value of a + b?

- (1) $\frac{a}{b} = \frac{5}{8}$
(2) The greatest common divisor of a and b is 1.

- 4 If x and y are positive integers such that $x = 8y + 12$, what is the by enigma123
<http://gmataclub.com/forum/topic-126743.html>

GMAT Data
Sufficiency
(DS)

Tags: Number Properties | Difficulty: 700-Level | Divisibility/Multiples/Factors | Source: GMAT Prep



If x and y are positive integers such that $x = 8y + 12$, what is the greatest common divisor of x and y ?

- (1) $x = 12u$, where u is an integer.
(2) $y = 12z$, where z is an integer.

[Reveal] Spoiler:

For me its B and this is how I solved it. Is my solution correct?

Question is asking for GCD of x and y .

GCF or GCD is the product of common prime factors with lowest exponents. for example GF of 12 and 24 is

$$12 = 2^2 * 3^1$$

$$24 = 2^3 * 3^1$$

$$\text{GCF} = 2^2 * 3^1 = 12$$

Coming back to the question and considering statement 1

x is a multiple of 12

So if we put different values of x in the our equation GCF will be different. Therefore this statement is INSUFFICIENT.

Considering statement 2

$Y=12z$, where z is an integer. Y is a multiple of 12. i.e Y can be 12, 24, 36. And therefore x can be 192, 204 etc.

So if $y = 12$ then $x = 108$

$$\text{Prime factors of } 12 = 2^2 * 3^1$$

$$\text{Prime factors of } 108 = 2^2 * 3^3$$

$$\text{GCF} = 2^2 * 3^1 = 12$$

Now if $y = 24$, $x = 204$

$$\text{Prime factors of } 24 = 2^3 * 3^1$$

$$\text{Prime factors of } 204 = 2^2 * 3^1 * 17$$

$$\text{GCF} = 2^2 * 3 = 12$$

So GCF or GCF will be 12 and therefore B alone is sufficient to answer this question. Am I right guys?
Unfortunately OA is not provided.

5 If k is a positive integer, then $20k$ is divisible by how man by hellzangl

<http://gmataclub.com/forum/topic-158398.html>

Tags: Divisibility/Multiples/Factors | Difficulty: 600-700 Level | Number Properties | Source: GMAT Prep

GMAT Data
Sufficiency
(DS)

If k is a positive integer, then $20k$ is divisible by how many different positive integers?

- (1) k is prime
(2) $k = 7$

[Reveal] Spoiler:

Divisible by a positive integer -> factor

No of factors for a number in the form $(a^x)(b^y)(c^z)$ is given by $(x+1)(y+1)(z+1)$

$$20k = (2^2)(5^1)(k)$$

Stmt 1 says k is prime. so $20k = (2^2)(5^1)(k^1)$. Total # of factors is $(2+1)(1+1)(1+1)$. So sufficient.

Stmy 2 says $k = 7$ so again Total # of factors is $(2+1)(1+1)(1+1)$. So sufficient.

Hence answer is D, but that is not the OA. What am I missing?

6 If $mv < pv < 0$, is $v > 0$? by enigma123<http://gmatclub.com/forum/topic-132900.html>

Tags: Source: GMAT Prep | Inequalities | Difficulty: 700-Level

GMAT Data
Sufficiency
(DS)If $mv < pv < 0$, is $v > 0$?

- (1) $m < p$
(2) $m < 0$

7 In the figure shown, what is the are of the triangular by yuvrajsub

<http://gmatclub.com/forum/topic-162366.html>

Tags: Difficulty: 600-700 Level | Geometry | Source: GMAT Prep

GMAT Data
Sufficiency
(DS)

Attachment:



image.png [3.8 KiB | Viewed 19137 times]

In the figure shown, what is the are of the triangular region PRT?

- (1) The area of rectangular region PQST is 24.
(2) The length of line segment RT is 5.

8 If $y \geq 0$, What is the value of x ? by Apex231<http://gmatclub.com/forum/topic-126369.html>

Tags: Absolute Values/Modules | Inequalities | Source: GMAT Prep | Source: GMAT Pill | Difficulty: 700-Level

GMAT Data
Sufficiency
(DS)If $y \geq 0$, What is the value of x ?

- (1) $|x-3| \geq y$
(2) $|x-3| \leq -y$

[Reveal] Spoiler:
I solved this way -

$$1) |x-3| \geq y$$

$$x-3 \geq y \\ x \geq y+3$$

or

$$3-x \geq y \\ x \leq 3-y$$

$$\text{so } y+3 \leq x \leq 3-y$$

if y is positive then the above condition is not possible as sum of two positives cant be less than difference of two positives. the other possibility is that y is zero and $x = 3$. hence sufficient?

$$2) |x-3| \leq -y$$

$$x-3 \leq -y \\ x \leq 3-y$$

or

$$3-x \leq -y \\ x \geq y+3$$

so $3-y \geq x \geq y+3$, again since $y \geq 0$, only possibility is that $y = 0$. hence $x = 3$. sufficient.

But the OA is different.

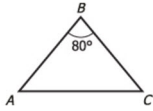
9 In triangle ABC, the measure of angle B by HarveyKlaus

<http://gmataclub.com/forum/topic-214616.html>

Tags: Source: GMAT Prep | Geometry | Difficulty: Sub-600 Level

GMAT Data
Sufficiency
(DS)

Attachment:



3-09-16 10-12-26 AM.jpg [4.86 KiB | Viewed 340 times]

In triangle ABC, the measure of angle B is 80 as shown in the figure above. What is the measure of angle A?

1. Side AB and BC are the same length
2. The length of side AC is 10 inches.

[\[Reveal\]](#) Spoiler:

The original answer is A but Im confused.

According to St1, we just know that the triangle is isosceles. So two angles are going to be equal. Since angle A is 80, we are left with 2 possibilities. The other two angles can be 50 50, or 80 20. In case its 50 50 then we the measure of the angle A is 50. But if its 80 20, we still will have the isosceles properties of the triangle as two angles with 80 and one 20.

Since, there could be two possible answer for angle A, I marked st1 as insufficient. But thats not the correct answer.

Where am I wrong?

Thanks for your comments!

10 What is the ratio of green marbles to red marbles in the bag? by tudelue

<http://gmataclub.com/forum/topic-214199.html>

Tags: Difficulty: Sub-600 Level | Source: GMAT Prep | Fractions/Ratios/Decimals

GMAT Data
Sufficiency
(DS)

A certain bag contains red, blue, and green marbles. What is the ratio of number of green marbles to the number of red marbles in the bag?

- (1) The number of blue marbles in the bag is two times the number of green marbles in the bag.
- (2) The number of blue marbles in the bag is three times the number of red marbles in the bag.

[\[Reveal\]](#) Spoiler:

Can anyone help?

Pls do correct me if I am mistaken with the difficulty.



The list of ANSWERS:

Answer

1 D

2 B

3 C

4 B

5 B

6 D

7 A

8 B

9 A

10 C



The list of questions from GMAT Club forum

11. DS GMAT Prep.

generated on **November 29, 2016**

by **SajjadAhmad**



- 1 A company bought some desks at a price of \$150 each and some chairs at a price of \$50 each. Did the company buy more than 40 chairs?
<http://gmatclub.com/forum/topic-133444.html> by mokap25

GMAT Data
Sufficiency
(DS)

Tags: Difficulty: 600-700 Level | Word Problems | Source: GMAT Prep

A company bought some desks at a price of \$150 each and some chairs at a price of \$50 each. Did the company buy more than 40 chairs?

- (1) The total price of the desk and chairs is 5,000
 (2) The company bought fewer than 20 desks

Can some experts explain a systematic approach for solving optimization type problems, I am usually lost as to where to start on such problems.

Please explain your approach by helping solve this problem from GMATprep software. As many creative approaches as possible.

Thanks for your help

Kaps

- 2 Will the first 10 volumes of a 20-volume encyclopedia fit in the bookrack shown above?
<http://gmatclub.com/forum/topic-128155.html> by morya003

GMAT Data
Sufficiency
(DS)

Tags: Source: GMAT Prep | Word Problems | Difficulty: Sub-600 Level

Attachment:



Bookrack.PNG [4.5 KiB | Viewed 4714 times]

Will the first 10 volumes of a 20-volume encyclopedia fit upright in the bookrack shown above?

- (1) $x = 50$ centimeters.
 (2) Twelve of the volumes have an average (arithmetic mean) thickness of 5 centimeters.

[Reveal] Spoiler:

Hi please go through the attached file for the problem from gmat prep -

is it not a given that all the volumes of the book are of the same thickness so once you know

sum of the thickness of 12 volumes = given average $\times 12 = 60$

then you can find the individual thickness = 5 !!

my answer was c

I find this strange at time - gmat assumes what it wants to but does not allow us to assume the obvious !

- 3 Are the integers z and f to the right of 0 on the number line?
<http://gmatclub.com/forum/topic-129469.html> by enigma123

GMAT Data
Sufficiency
(DS)

Tags: Number Properties | Source: GMAT Prep | Difficulty: Sub-600 Level

Are the integers z and f to the right of 0 on the number line?

- (1) The product of z and f is positive.
 (2) The sum of z and f is positive.

- 4 $|s - t| > ||s| - |t||$? by fatty
<http://gmatclub.com/forum/topic-211836.html>

GMAT Data
Sufficiency
(DS)

Tags: Absolute Values/Modules | Source: GMAT Prep | Inequalities | Difficulty: 700-Level



$$|s - t| > ||s| - |t||?$$

- (1) $s + t < 0$
(2) $st < 0$

5 Is $x < y$? by kabilank87

<http://gmataclub.com/forum/topic-151446.html>

Tags: Difficulty: Sub-600 Level | Inequalities | Source: GMAT Prep

GMAT Data
Sufficiency
(DS)

$$Is\ x < y\ ?$$

- (1) $2x < 3y$
(2) $xy > 0$

6 If a certain company purchased computers at \$2000 each and printers \$ by sunita123

<http://gmataclub.com/forum/topic-205010.html>

Tags: Difficulty: 600-700 Level | Word Problems | Source: GMAT Prep

GMAT Data
Sufficiency
(DS)

If a certain company purchased computers at \$2000 each and printers \$300 each , how many computers did it purchase?

- (1) More than three printers were purchased
(2) The total amount for the purchase of the computers and printers was \$15,000

7 If Mary always takes the same route to work, how long did it take Mary by NoHalfMeasures

<http://gmataclub.com/forum/topic-212019.html>

Tags: Difficulty: 600-700 Level | Source: GMAT Prep | Distance/Rate Problems

GMAT Data
Sufficiency
(DS)

If Mary always takes the same route to work, how long did it take Mary to get to work on Friday?

- (1) It took Mary 20 minutes to get to work on Thursday.
(2) Mary's average speed on her trip to work was 25 percent greater on Thursday than it was on Friday.

8 How many of the students in a certain class are taking both a history by shapla

<http://gmataclub.com/forum/topic-211777.html>

Tags: Difficulty: Sub-600 Level | Number Properties | Word Problems | Source: GMAT Prep

GMAT Data
Sufficiency
(DS)

How many of the students in a certain class are taking both a history and a science course?

- 1) Of all the students in the class, 50 are taking a history course
2) Of all the students in the class, 70 are taking a science course

9 Machines X and Y work at their respective constant rates by BANON

<http://gmataclub.com/forum/topic-128011.html>

Tags: Work/Rate Problems | Source: GMAT Prep | Difficulty: 700-Level

GMAT Data
Sufficiency
(DS)



Machines X and Y work at their respective constant rates. How many more hours does it take machine Y, working alone, to fill a production order of a certain size than it takes machine X, working alone?

- (1) Machines X and Y, working together, fill a production order of this size in two-thirds the time that machine X, working alone, does.
- (2) Machine Y, working alone, fills a production order of this size in twice the time that machine X, working alone, does.

10

Beth's bank charges a service fee on a regular checking by BANON

<http://gmatclub.com/forum/topic-128006.html>

Tags: Difficulty: Sub-600 Level | Word Problems | Source: GMAT Prep

GMAT Data
Sufficiency
(DS)

Beth's bank charges a service fee on a regular checking account for each month in which the balance on the account falls below \$100 at any time during the month. Did the bank charge a service fee on Beth's regular checking account last month?

- (1) During last month, a total of \$1,000 was withdrawn from Beth's regular checking account.
- (2) At the beginning of last month, Beth's regular checking account balance was \$500.



The list of ANSWERS:

Answer

1 C

2 E

3 C

4 B

5 E

6 E

7 C

8 E

9 E

10 E



The list of questions from GMAT Club forum

12. DS GMAT Prep.

generated on **November 29, 2016**

by **SajjadAhmad**





- 1 If the sum of the three different numbers is 54, what is the by geometric
<http://gmataclub.com/forum/topic-126140.html>

Tags: Source: GMAT Prep | Algebra | Difficulty: 600-700 Level

GMAT Data
Sufficiency
(DS)

If the sum of the three different numbers is 54, what is the largest number?

- (1) The largest number is twice the smallest number.
(2) The sum of the two smaller numbers is 30.

[\[Reveal\]](#) Spoiler:

Here, the answer is B (statement 2 alone). I don't see why statement 1 is insufficient. If the largest number is twice the smallest number, doesn't that lead only to 12 and 24 for those two numbers and 18 for the middle number?

- 2 If $xy = -6$, what is the value of $xy(x + y)$? (1) $x - y = 5$ by myfish
<http://gmataclub.com/forum/topic-131440.html>

Tags: Algebra | Source: GMAT Prep | Source: Princeton Review | Difficulty: 700-Level

GMAT Data
Sufficiency
(DS)

If $xy = -6$, what is the value of $xy(x + y)$?

- (1) $x - y = 5$
(2) $xy^2 = 18$

- 3 If $(x+y)/z = -2$, is x positive? by NoHalfMeasures
<http://gmataclub.com/forum/topic-211856.html>

Tags: Fractions/Ratios/Decimals | Source: GMAT Prep | Difficulty: Sub-600 Level

GMAT Data
Sufficiency
(DS)

If $(x+y)/z = -2$, is x positive?

- (1) z is negative.
(2) y is positive.

- 4 On the number line, what is the distance between the point $2x$ and the by NoHalfMeasures
<http://gmataclub.com/forum/topic-211857.html>

Tags: Number Properties | Source: GMAT Prep | Difficulty: Sub-600 Level

GMAT Data
Sufficiency
(DS)

On the number line, what is the distance between the point $2x$ and the point $3x$?

1. On the number line, distance between the point $-x$ and the point x is 16 .
2. On the number line, distance between the point x and the point $3x$ is 16

- 5 If $x \neq -y$, is $(x-y)/(x+y) > 1$? (1) $x > 0$ (2) $y < 0$ by NoHalfMeasures
<http://gmataclub.com/forum/topic-211732.html>

Tags: Fractions/Ratios/Decimals | Source: GMAT Prep | Difficulty: 700-Level

GMAT Data
Sufficiency
(DS)

If $x \neq -y$, is $(x-y)/(x+y) > 1$?

- (1) $x > 0$
(2) $y < 0$

- 6 Is $y < 2x$? by Jeli13
<http://gmataclub.com/forum/topic-197595.html>

Tags: Difficulty: Sub-600 Level | Source: GMAT Prep | Inequalities

GMAT Data
Sufficiency
(DS)



Is $y < 2x$?

(1) $y/4 < x/2$

(2) $(y - 2x)/3 < 0$

7 If x is a positive integer, is $x < 16$? by shapla

<http://gmatclub.com/forum/topic-211773.html>

Tags: Algebra | Source: GMAT Prep | Difficulty: 600-700 Level

GMAT Data
Sufficiency
(DS)

If x is a positive integer, is $x < 16$?

1) x is less than the average (arithmetic mean) of the first ten positive integers

2) x is the square of an integer.

8 In xy -coordinate plane, the slope of line L is $3/4$. Does line L pass through point $(-2/3, 1/2)$? by kabilank87

<http://gmatclub.com/forum/topic-151442.html>

Tags: Coordinate Geometry | Source: GMAT Prep | Difficulty: Sub-600 Level

GMAT Data
Sufficiency
(DS)

In xy -coordinate plane, the slope of line L is $3/4$. Does line L pass through point $(-2/3, 1/2)$?

(1) Line L passes through $(4, 4)$

(2) Line L passes through $(-4, -2)$

9 $x^n = x^{n+2}$ for any integer n . Is it true that $x > 0$? by Bunuel

<http://gmatclub.com/forum/topic-191922.html>

Tags: Exponents/Powers | Inequalities | Difficulty: 700-Level | Source: GMAT Prep

GMAT Data
Sufficiency
(DS)

$x^n = x^{n+2}$ for any integer n . Is it true that $x > 0$?

(1) $x = x^2 - 2$

(2) $2x < x^5$

Kudos for a correct solution.

10 The sum of the integers in list S is the same as the sum of the integers in list T . Does S contain more integers than T ? by Apex231

<http://gmatclub.com/forum/topic-127755.html>

Tags: Statistics and Sets Problems | Difficulty: 700-Level | Source: GMAT Prep

GMAT Data
Sufficiency
(DS)

The sum of the integers in list S is the same as the sum of the integers in list T . Does S contain more integers than T ?

(1) The average (arithmetic mean) of the integers in S is less than the average of the integers in T .

(2) The median of the integers in S is greater than the median of the integers in T .



The list of ANSWERS:

Answer

1	B
2	B
3	E
4	D
5	E
6	D
7	A
8	D
9	D
10	E



The list of questions from GMAT Club forum

13. DS GMAT Prep.

generated on **November 29, 2016**

by **SajjadAhmad**





- 1 If M is a finite set of negative integers, is the total numb by sudeeptasahu29
<http://gmatclub.com/forum/topic-169339.html>

GMAT Data
Sufficiency
(DS)

Tags: Sequences | Source: GMAT Prep | Difficulty: Sub-600 Level

If M is a finite set of negative integers, is the total number of integers in M an odd number?

- (1) The product of all the integers in M is odd
(2) The product of all the integers in M is negative

- 2 If x is positive, is $x > 3$ by rohitgoel15
<http://gmatclub.com/forum/topic-130774.html>

GMAT Data
Sufficiency
(DS)

Tags: Inequalities | Source: GMAT Prep | Difficulty: 700-Level

If x is positive, is $x > 3$?

- (1) $(x - 1)^2 > 4$
(2) $(x - 2)^2 > 9$

[Reveal] Spoiler:

Can someone point a mistake in my method?

(1)

Taking one of the equations:

$$(x - 1)^2 > 4$$

$$x^2 + 1 - 2x > 4$$

$$x^2 + 1 - 2x - 4 > 0$$

$$x^2 - 3x + 1x - 3 > 0$$

$$(x-3)(x+1) > 0$$

$$x > 3 \text{ and } x > -1$$

while in the explanation given the ans is coming out to be $x > 3$ and $x < -1$

Please help ..

- 3 In a certain conference room each row of chairs has the same by enigma123
<http://gmatclub.com/forum/topic-129389.html>

GMAT Data
Sufficiency
(DS)

Tags: Source: GMAT Prep | Word Problems | Difficulty: Sub-600 Level

In a certain conference room each row of chairs has the same number of chairs, and the number of rows is 1 less than the number of chairs in a row. How many chairs are in a row?

- (1) There is a total of 72 chairs.
(2) After 1 chair is removed from the last row, there is a total of 17 chairs in the last 2 rows.

Any idea how the answer would be D?

- 4 Five consecutive positive integers are chosen at random by christykarunya
<http://gmatclub.com/forum/topic-160105.html>

GMAT Data
Sufficiency
(DS)

Tags: Source: GMAT Prep | Remainders | Difficulty: 700-Level

Five consecutive positive integers are chosen at random. If the average of the five integers is odd, what is the remainder when the largest of the five integers is divided by 4?

- (1) The third of the five integers is a prime number.
(2) The second of the five integers is the square of an integer.

- 5 The figure above represents a rectangular garden bordered by by NoHalfMeasures
<http://gmatclub.com/forum/topic-172169.html>

GMAT Data
Sufficiency
(DS)

Tags: Difficulty: 600-700 Level | Geometry | Source: GMAT Prep

The figure above represents a rectangular garden bordered by a walkway that has a uniform width of 3 feet. What's the perimeter of the garden?

- 1) The outer perimeter of the walkway is 124 feet
- 2) The area of the garden is 600 feet.



The figure above represents a rectangular garden bordered by a walkway that has a uniform width of 3 feet. What is the perimeter of the garden?

- (1) The outer perimeter of the walkway is 124 feet.
- (2) The area of the garden is 600 square feet.

DS.gif [8.47 KiB | Viewed 3490 times]

- 6 For what percent of those tested for a certain infection by gmatbull
<http://gmatclub.com/forum/topic-145310.html>

GMAT Data
Sufficiency
(DS)

Tags: Difficulty: 600-700 Level | Overlapping Sets | Source: GMAT Prep

For what percent of those tested for a certain infection was the test accurate; that is, positive for those who had the infection and negative for those who did not have the infection?

- (1) Of those who tested positive for the infection, 1/8 did not have the infection.
- (2) Of those tested for the infection, 90 percent tested negative.

- 7 If the product of the three digits of positive interger K is 14 by BrainLab
<http://gmatclub.com/forum/topic-210596.html>

GMAT Data
Sufficiency
(DS)

Tags: Difficulty: 600-700 Level | Number Properties | Source: GMAT Prep

If the product of the three digits of positive interger K is 14, what is the value of K?

- 1) K is an odd interger
- 2) $K < 700$

- 8 Is $-3 \cdot x^3 \leq -3$? by NoHalfMeasures
<http://gmatclub.com/forum/topic-210501.html>

GMAT Data
Sufficiency
(DS)

Tags: Difficulty: 600-700 Level | Inequalities | Source: GMAT Prep

Is $-3 \cdot x^3 \leq -3$?

- 1) $-3x < 3$
- 2) $x < 0$

- 9 If p is an integer greater than 1, is p a prime number? by RSOHAL
<http://gmatclub.com/forum/topic-210542.html>

GMAT Data
Sufficiency
(DS)

Tags: Divisibility/Multiples/Factors | Source: GMAT Prep | Difficulty: 600-700 Level

If p is an integer greater than 1, is p a prime number?

- (1) P is a factor of 13
- (2) P is a factor of 78



10

In the x-y plane, what is the y-intercept of the line l? by enigma123

<http://gmatclub.com/forum/topic-127702.html>

Tags: Coordinate Geometry | Source: GMAT Prep | Difficulty: 700-Level

GMAT Data
Sufficiency
(DS)

In the x-y plane, what is the y-intercept of the line l?

- (1) The slope of the line l is 3 times its y-intercept.
- (2) The x-intercept of line l is $-1/3$

As the OA is not given, I have arrived at answer C i.e both statements together are sufficient to answer the question. Please see below what makes me say this. Please let me know whether I am right or wrong.

Equation of line $y = mx + c$ -----(1). Question is asking to find C.

Considering Statement 1 ----> $m = 3c$. So putting this value of m in (1) above we get $y = c(3x+1)$. Not sufficient.

Considering Statement 2 ---> x intercept is $-1/3$ i.e. $y = -m/3 + c$. -----(2)
Can't solve for C. Therefore insufficient.

Combining the statement 1 & 2 and substituting the value of $m = 3c$ from statement 1 into statement 2. $y = -3c/3 + c \Rightarrow c - c = 0$ Therefore, $y = 0$. Therefore C is the right answer.



The list of ANSWERS:

Answer

1 B

2 D

3 D

4 B

5 A

6 E

7 E

8 B

9 A

10 C



The list of questions from GMAT Club forum

14. DS GMAT Prep.

generated on **November 29, 2016**

by **SajjadAhmad**





- 1 If $a, b, c,$ and d are positive numbers and $a/b < c/d$, which of the following must be true? by NoHalfMeasures
<http://gmatclub.com/forum/topic-210312.html>

GMAT Data
Sufficiency
(DS)

Tags: Difficulty: 700-Level | Inequalities | Source: GMAT Prep

If $a, b, c,$ and d are positive numbers and $a/b < c/d$, which of the following must be true?

- I. $(a+c) / (b+d) < c/d$
- II. $(a+c) / (b+d) < a/b$
- III. $(a+c) / (b+d) = a/b + c/d$
- a) none
- b) I only
- c) II only
- d) I and II
- e) I and III

Pls press kudos if you like the question and would like me to discuss more such questions

- 2 If h is the hundredths digit in the decimal number $d = 1.3h4$, what is the value of d ? by HarveyKlaus
<http://gmatclub.com/forum/topic-210106.html>

GMAT Data
Sufficiency
(DS)

Tags: Fractions/Ratios/Decimals | Source: GMAT Prep | Difficulty: Sub-600 Level

If h is the hundredths digit in the decimal number $d = 1.3h4$, what is the value of d ?

- (1) $h < 5$
- (2) $d < 1.321$

[Reveal] Spoiler:
I am not able to understand why St1 is not sufficient?

Would appreciate your comments.

Thanks

Attachment:

If h is the hundredths digit in the decimal number $d = 1.3h4$, what is the value of d ?

- (1) $h < 5$
- (2) $d < 1.321$

- ☐ Statement (1) ALONE is sufficient, but statement (2) alone is not sufficient.
- ☐ Statement (2) ALONE is sufficient, but statement (1) alone is not sufficient.
- ☐ BOTH statements TOGETHER are sufficient, but NEITHER statement ALONE is sufficient.
- ☐ EACH statement ALONE is sufficient.
- ☒ Statements (1) and (2) TOGETHER are NOT sufficient.

d=1.3h4.png [53.47 KiB | Viewed 655 times]

- 3 Ann deposited money into two new accounts, A and B. Account A by geometric
<http://gmatclub.com/forum/topic-126138.html>

GMAT Data
Sufficiency
(DS)

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



Ann deposited money into two new accounts, A and B. Account A earns 5 percent simple annual interest and account B earns 8 percent simple annual interest. If there were no other transactions in the two accounts, then the amount of interest that account B earned in the first year was how many dollars greater than the amount of interest that account A earned in the first year?

- (1) Ann deposited \$200 more in account B than in account A.
- (2) The total amount of interest that the two accounts earned in the first year was \$120.

[Reveal] Spoiler:

I must be an idiot, because the answer is C (both statements together are sufficient). Walk me through the formula?

4 If Pei ordered a total of 63 bottles of Cola, Root Beer and by NoHalfMeasures

<http://gmatclub.com/forum/topic-172186.html>

Tags: Difficulty: 600-700 Level | Fractions/Ratios/Decimals | Source: GMAT Prep

GMAT Data
Sufficiency
(DS)

If Pei ordered a total of 63 bottles of Cola, Root Beer and Ginger Ale for a part. How many Cola bottles did she order?

- (1) The no of bottles of root beer Pei order was 80% of bottles of ginger ale that she ordered
- (2) The no of bottles of cola Pei order was 75% of total no. of bottles of ginger ale and root beer that she ordered

kudos pls if you liked the question adn would have me discuss more such questions

5 Physicians often estimate the adult height c , in inches, of a female by russ9

<http://gmatclub.com/forum/topic-189201.html>

Tags: Word Problems | Source: GMAT Prep | Difficulty: Sub-600 Level

GMAT Data
Sufficiency
(DS)

Physicians often estimate the adult height c , in inches, of a female child by using the inequalities

$$\frac{m+f-13.2}{2} \leq c \leq \frac{m+f-2.8}{2}$$

where m represents the mother's adult height and f represents the father's adult height, both measured in inches. If Rachel is a 5-year-old girl, what is her maximum adult height that will satisfy these inequalities?

- (1) Rachel's height at age 5 is 44 inches
- (2) Rachel's mother's adult height is 62 inches and Rachel's father's adult height is 71 inches

Hi

Not sure I understand what the question is asking? Are we supposed to get ONE value? Prove something correct/incorrect?

Thanks!

Physicians often estimate the adult height c , in inches, of a female child by using the inequalities

$$\frac{m+f-13.2}{2} \leq c \leq \frac{m+f-2.8}{2}$$

where m represents the mother's adult height and f represents the father's adult height, both measured in inches. If Rachel is a 5-year-old girl, what is her maximum adult height that will satisfy these inequalities?

- (1) Rachel's height at age 5 is 44 inches.
- (2) Rachel's mother's adult height is 62 inches and Rachel's father's adult height is 71 inches.

Screen Shot 2014-11-28 at 1.46.13 PM.png [29.23 KiB | Viewed 1579 times]

6 Adam, Cara, Carlos and Donna are friends by swanidhi

<http://gmatclub.com/forum/topic-209316.html>

Tags: Difficulty: Sub-600 Level | Inequalities | Min/Max Problems | Source: GMAT Prep | Source: GMAT Prep QP1

GMAT Data
Sufficiency
(DS)



Adam, Cara, Carlos and Donna are friends. Cara and Carlos are the same age. Which of these 4 friends is the youngest?

1. Cara is older than Adam.
2. Carlos is older than Donna.

+1 Kudos, if this helped! Just 1 kudos short from availing GmatClub Tests 🙏

7 If n is an integer between 10 and 99, is $n < 80$? by geometric

<http://gmatclub.com/forum/topic-126139.html>

Tags: Source: GMAT Prep | Number Properties | Difficulty: Sub-600 Level

GMAT Data
Sufficiency
(DS)

If n is an integer between 10 and 99, is $n < 80$?

- (1) The sum of the two digits of n is a prime number.
- (2) Each of the two digits of n is a prime number.

[\[Reveal\]](#) Spoiler:

I know this must be easy. The answer is B (statement 2 is sufficient alone, while statement 1 is not). Doesn't that lead to tons of possible values of n ?

8 The sequence of four numbers a_1, a_2, a_3 and a_4 is such that by pritishmohan

<http://gmatclub.com/forum/topic-152992.html>

Tags: Arithmetic | Source: GMAT Prep | Sequences | Difficulty: Sub-600 Level

GMAT Data
Sufficiency
(DS)

The sequence of four numbers a_1, a_2, a_3 and a_4 is such that each number after the first is $a_1 - 1$ greater than preceding number. What is the value of a_1 ?

- (1) $a_2 = 15$
- (2) $a_4 = 29$

9 If a and b are distinct integers and their product is not equal to zero by janani28

<http://gmatclub.com/forum/topic-180747.html>

Tags: Inequalities | Source: GMAT Prep | Difficulty: 700-Level

GMAT Data
Sufficiency
(DS)

If a and b are distinct integers and their product is not equal to zero, is $a > b$?

- (1) $\frac{a^3b - b^3a}{a^3b + b^3a - 2a^2b^2} < 0$
- (2) $b < 0$

10 Is $x+y < 1$ (1) $x < 8/9$ (2) $y < 1/8$ by dddmba2012

<http://gmatclub.com/forum/topic-129557.html>

Tags: Difficulty: 600-700 Level | Source: GMAT Prep | Inequalities

GMAT Data
Sufficiency
(DS)

Is $x+y < 1$

- (1) $x < 8/9$
- (2) $y < 1/8$



The list of ANSWERS:

Answer

1 B

2 E

3 C

4 B

5 B

6 E

7 B

8 D

9 C

10 E



The list of questions from GMAT Club forum

15. DS GMAT Prep.

generated on **November 29, 2016**

by **SajjadAhmad**





- 1 In xy plane, line k passes through (1,1) and m through (1, -1). Are lines k and m perpendicular? by Timmimit
<http://gmatclub.com/forum/topic-207771.html>

GMAT Data
Sufficiency
(DS)

Tags: Coordinate Geometry | Source: GMAT Prep | Difficulty: 600-700 Level

In xy plane, line k passes through (1,1) and m through (1, -1). Are lines k and m perpendicular?

- (1) k and m intersect at (1, -1)
(2) k intersects x-axis at (1, 0)

- 2 If y is an integer, is y^3 divisible by 8? by crackmba2012
<http://gmatclub.com/forum/topic-139015.html>

GMAT Data
Sufficiency
(DS)

Tags: Difficulty: 600-700 Level | Divisibility/Multiples/Factors | Source: GMAT Prep

If y is an integer, is y^3 divisible by 8?

- (1) y is even.
(2) $y^3 - y$ is even.

[\[Reveal\]](#) Spoiler:

Shouldn't the answer be E because y could be 0 which is an even integer?

- 3 Is $|x| > |y|$? by dvinoth86
<http://gmatclub.com/forum/topic-146991.html>

GMAT Data
Sufficiency
(DS)

Tags: Difficulty: 600-700 Level | Absolute Values/Modules | Source: GMAT Prep | Inequalities

Is $|x| > |y|$?

- (1) $x^2 > y^2$
(2) $x > y$

- 4 A certain one-day seminar consisted of a morning session and an afternoon session. If each of the 128 attending the seminar attended at least one of the two sessions, how many of the people attended the morning session only? by Stiv
<http://gmatclub.com/forum/topic-135541.html>

GMAT Data
Sufficiency
(DS)

Tags: Overlapping Sets | Source: GMAT Prep | Difficulty: 700-Level

A certain one-day seminar consisted of a morning session and an afternoon session. If each of the 128 attending the seminar attended at least one of the two sessions, how many of the people attended the morning session only?

- (1) $\frac{3}{4}$ of the people attended both sessions.
(2) $\frac{7}{8}$ of the people attended the afternoon session.

- 5 If r and s are integers, is $r+s$ divisible by 3? by nimb2012
<http://gmatclub.com/forum/topic-127231.html>

GMAT Data
Sufficiency
(DS)

Tags: Source: GMAT Prep | Divisibility/Multiples/Factors | Difficulty: Sub-600 Level

If r and s are integers, is $r+s$ divisible by 3?

- (1) s is divisible by 3
(2) r is not divisible by 3

- 6 A sequence of terms $a_1, a_2, a_3, \dots, a_{m-1}, a_m$, is given by $a_n = a_{n-1} + 2n - 1$ by guerrero25
<http://gmatclub.com/forum/topic-150480.html>

GMAT Data
Sufficiency
(DS)

Tags: Difficulty: 700-Level | Sequences | Source: GMAT Prep



A sequence of non-zero terms $a_1, a_2, a_3, \dots, a_{m-1}, a_m$, is given by $a_k = \frac{1}{2}(a_{k-1} + a_{k-2})$ for every $k > 2$. If $m = 12$, then how many terms in the given sequence are positive?

- (1) a_3 is positive
(2) a_4 is positive

My apologies . I could not find a way to type the sequence here , so I am attaching the DS question .

A sequence of non-zero terms $a_1, a_2, a_3, \dots, a_{m-1}, a_m$ is given by $a_k = \frac{1}{2}(a_{k-1} + a_{k-2})$ for every $k > 2$. If $m = 12$, then how many terms in the given sequence are positive?
(1) a_3 is positive
(2) a_4 is negative

Sequence_1.png [12.3 KiB | Viewed 2229 times]

- 7 A farmer who grows strawberries defines a "workday yield" as by fozzzy
<http://gmatclub.com/forum/topic-145861.html>

GMAT Data
Sufficiency
(DS)

Tags: Difficulty: Sub-600 Level | Source: GMAT Prep | Word Problems

A farmer who grows strawberries defines a "workday yield" as the number of liters of strawberries that a worker is required to pick in one day. Based on this definition, how many workers must the farmer hire to pick the entire expected crop of strawberries in 15 calendar days?

- (1) A workday yield is 45 liters
(2) The expected crop is 13,500 liters

Please provide detailed explanations! Thanks!

- 8 Maria can either buy a basket that contains P pounds of appl by fozzzy
<http://gmatclub.com/forum/topic-149070.html>

GMAT Data
Sufficiency
(DS)

Tags: Difficulty: 600-700 Level | Word Problems | Source: GMAT Prep

Maria can either buy a basket that contains P pounds of apples for \$16.50 or buy p pounds of apples at \$0.95 per pound. Does it cost Maria more to buy the basket of apples than to buy p pounds of apples at \$0.95 per pound?

- (1) The basket contains less than 20 pounds of apples
(2) It would cost Maria a total of \$18.05 to buy p+4 pounds of apples at \$0.95 per pound.

- 9 In the xy-coordinate plane, line A is defined by the equation $j^*x - y = -7$ by Tornikea
<http://gmatclub.com/forum/topic-204785.html>

GMAT Data
Sufficiency
(DS)

Tags: Difficulty: 700-Level | Source: GMAT Prep | Coordinate Geometry

In the XY-coordinate plane, line A is defined by the equation $j^*x - y = -7$ and line B is defined by the equation $3^*x + 2^*y = k$

If line A and line B are not parallel, at what point do they intersect?

- (1) Line A passes through the point (3,1)
(2) Line B passes through the point (0,7)



10

To instal a cable television in a home, a certain cable comp by Stiv

<http://gmatclub.com/forum/topic-131751.html>

Tags: Word Problems | Source: GMAT Prep | Difficulty: Sub-600 Level

GMAT Data
Sufficiency
(DS)

To install cable television in a home, a certain cable company charges a basic fee of \$30 plus a fee of \$20 for each cable outlet installed in the home. How much did the cable company charge the Horace family for installing cable television in their home?

- (1) The cable company installed three cable outlets in the Horace family home.
- (2) The amount that the cable company charged the Horace family for installing cable television in their home was equivalent to an average (arithmetic mean) charge of the \$30 per cable outlet installed.



The list of ANSWERS:

Answer

1 E

2 A

3 A

4 B

5 C

6 C

7 C

8 B

9 B

10 D



The list of questions from GMAT Club forum

16. DS GMAT Prep.

generated on **November 29, 2016**

by **SajjadAhmad**





- 1 If x is a negative number, what is the value of x ? by goodyear2013
<http://gmatclub.com/forum/topic-169541.html>

GMAT Data
Sufficiency
(DS)

Tags: Source: GMAT Prep | Difficulty: Sub-600 Level | Algebra

If x is a negative number, what is the value of x ?

- (1) $x^2 = 1$
(2) $x^2 + 3x + 2 = 0$

- 2 Is $4z > -6$? (1) $z < 7$ (2) $z > -1$ by enigma123
<http://gmatclub.com/forum/topic-129392.html>

GMAT Data
Sufficiency
(DS)

Tags: Source: GMAT Prep | Difficulty: Sub-600 Level | Inequalities

Is $4z > -6$?

(1) $z < 7$

(2) $z > -1$

[\[Reveal\]](#) Spoiler:
How come B alone is sufficient?

- 3 If $n = 3k$, is k an integer? by Bunuel
<http://gmatclub.com/forum/topic-202419.html>

GMAT Data
Sufficiency
(DS)

Tags: Number Properties | Source: GMAT Prep | Difficulty: 600-700 Level

If $n = 3k$, is k an integer?

(1) n is an integer.

(2) $n/6$ is an integer.

Kudos for a corrector [solution](#).

- 4 If m is a positive odd integer, what is the average (arithmetic mean) by Bunuel
<http://gmatclub.com/forum/topic-202443.html>

GMAT Data
Sufficiency
(DS)

Tags: Difficulty: 600-700 Level | Statistics and Sets Problems | Source: GMAT Prep

If m is a positive odd integer, what is the average (arithmetic mean) of a certain set of m integers?

- (1) The integers in the set are consecutive multiples of 3.
(2) The median of the set of integers is 33.

- 5 Is $|x| < 1$? by Reni
<http://gmatclub.com/forum/topic-175419.html>

GMAT Data
Sufficiency
(DS)

Tags: Source: GMAT Prep | Absolute Values/Modules | Inequalities | Difficulty: 700-Level

Is $|x| < 1$?

(1) $x/|x| < x$

(2) $x/|x| < 1$



6 Are x and y both positive? by kanigmat011

<http://gmatclub.com/forum/topic-198491.html>

Tags: Number Properties | Source: GMAT Prep | Difficulty: 700-Level

GMAT Data
Sufficiency
(DS)

Are x and y both positive?

(1) $2x - 2y = 1$

(2) $x/y > 1$

OPEN DISCUSSION OF THIS QUESTION IS HERE: [are-x-and-y-both-positive-1-2x-2y-1-2-x-y-63377.html](http://gmatclub.com/forum/are-x-and-y-both-positive-1-2x-2y-1-2-x-y-63377.html)

7 If x is a nonzero number, which of the three numbers x, $1/x$ by goodyear2013

<http://gmatclub.com/forum/topic-169516.html>

Tags: Difficulty: 600-700 Level | Inequalities | Source: GMAT Prep

GMAT Data
Sufficiency
(DS)

If x is a nonzero number, which of the three numbers x, $1/x$ and x^2 is greatest?

(1) $-1 < x < 1$

(2) x is negative

Hi, can anyone explain St(2), please.

8 What fraction of this year's graduating students at college are males by kanigmat011

<http://gmatclub.com/forum/topic-198493.html>

Tags: Fractions/Ratios/Decimals | Source: GMAT Prep | Difficulty: 700-Level

GMAT Data
Sufficiency
(DS)

What fraction of this year's graduating students at a certain college are males?

(1) Of this year's graduating students, 33 percent of the males and 20 percent of the females transferred from another college.

(2) Of this year's graduating students, 25 percent transferred from another college.

OPEN DISCUSSION OF THIS QUESTION IS HERE: [what-fraction-of-this-year-s-graduating-students-at-a-97716.html](http://gmatclub.com/forum/what-fraction-of-this-year-s-graduating-students-at-a-97716.html)

9 An actor read aloud and recorded a certain 420-page book on by fozzzy

<http://gmatclub.com/forum/topic-145857.html>

Tags: Distance/Rate Problems | Source: GMAT Prep | Difficulty: Sub-600 Level

GMAT Data
Sufficiency
(DS)

An actor read aloud and recorded a certain 420-page book on several audiotapes. Was the average recording time per page less than 90 seconds?

(1) Each tape was at most 40 minutes

(2) The book was recorded on 15 tapes

10 If a wire 27 meters long is cut into three pieces of three by mydreammba

<http://gmatclub.com/forum/topic-126906.html>

Tags: Source: GMAT Prep | Arithmetic | Difficulty: 600-700 Level

GMAT Data
Sufficiency
(DS)

If a wire 27 meters long is cut into three pieces of three different lengths, what is the length of the longest piece?

(1) The length of the longest piece is twice the length of the shortest piece

(2) The sum of the length of the two shorter pieces is 15 meters



The list of ANSWERS:

Answer

1 A

2 B

3 B

4 C

5 C

6 C

7 B

8 C

9 C

10 B



The list of questions from GMAT Club forum

17. DS GMAT Prep.

generated on **November 29, 2016**

by **SajjadAhmad**





- 1 An actor read aloud and recorded a certain 420-page book on by fozzzy
<http://gmatclub.com/forum/topic-145857.html>

GMAT Data
Sufficiency
(DS)

Tags: Distance/Rate Problems | Source: GMAT Prep | Difficulty: Sub-600 Level

An actor read aloud and recorded a certain 420-page book on several audiotapes. Was the average recording time per page less than 90 seconds?

- (1) Each tape was at most 40 minutes
(2) The book was recorded on 15 tapes

- 2 What fraction of this year's graduating students at college are males by kanigmat011
<http://gmatclub.com/forum/topic-198493.html>

GMAT Data
Sufficiency
(DS)

Tags: Fractions/Ratios/Decimals | Source: GMAT Prep | Difficulty: 700-Level

What fraction of this year's graduating students at a certain college are males?

- (1) Of this year's graduating students, 33 percent of the males and 20 percent of the females transferred from another college.
(2) Of this year's graduating students, 25 percent transferred from another college.

OPEN DISCUSSION OF THIS QUESTION IS HERE: [what-fraction-of-this-year-s-graduating-students-at-a-97716.html](http://gmatclub.com/forum/what-fraction-of-this-year-s-graduating-students-at-a-97716.html)

- 3 Is $z > 0.5$? by zatspeed
<http://gmatclub.com/forum/topic-194448.html>

GMAT Data
Sufficiency
(DS)

Tags: Difficulty: Sub-600 Level | Source: GMAT Prep | Inequalities | Fractions/Ratios/Decimals

Is $z > 0.5$?

- (1) The tenths digit in the decimal representation of z is greater than 2.
(2) z is between 0 and 1.

- 4 The value of a painting was \$7000 on may 5, 1970 and \$12,000 on may 5, by zatspeed
<http://gmatclub.com/forum/topic-194451.html>

GMAT Data
Sufficiency
(DS)

Tags: Difficulty: 600-700 Level | Word Problems | Source: GMAT Prep

The value of a painting was \$7000 on may 5, 1970 and \$12,000 on may 5, 1975. What was the value of the painting on may 5, 1972?

- (1) The value of the painting on May 5, 1972, was 20 percent greater than its value on May 5, 1970.
(2) The Value of the painting on May 5, 1975, was \$4,200 greater than its value on May 5, 1972

- 5 In a poll, 400 users were asked why they revisited a certain website by minwoswoh
<http://gmatclub.com/forum/topic-192144.html>

GMAT Data
Sufficiency
(DS)

Tags: Difficulty: 600-700 Level | Overlapping Sets | Source: GMAT Prep

In a poll, 400 users were asked why they revisited a certain website. The number who responded "well-designed" was 225 and the number who responded "interesting content" was 186. How many responded with neither of those phrases?

- (1) The number who responded "well designed" and "interesting content" was 20 percent of those who responded "well designed"
(2) The number who responded "interesting content" but did not respond "well design" was 141.



- 6 Last Friday each of the pets at a certain veterinary clinic by abid1986
<http://gmatclub.com/forum/topic-162735.html>

GMAT Data
Sufficiency
(DS)

Tags: Source: GMAT Prep | Difficulty: Sub-600 Level | Word Problems

Last Friday each of the pets at a certain veterinary clinic was given either 1 treat or 2 treats. What was the total number of treats given to pets at the clinic last Friday?

- (1) The total number of pets at the clinic last Friday was 90.
(2) $\frac{2}{3}$ of the pets at the clinic last Friday were given 2 treats each.

- 7 A certain economics class consists of 50 women and 30 men. H by fozzzy
<http://gmatclub.com/forum/topic-161110.html>

GMAT Data
Sufficiency
(DS)

Tags: Difficulty: Sub-600 Level | Word Problems | Source: GMAT Prep

A certain economics class consists of 50 women and 30 men. How many of the men in the class are business majors?

- (1) 40 percent of the women in the class are business majors.
(2) 50 percent of all the people in the class are business majors

- 8 At a certain restaurant, if each hamburger costs the same am by fozzzy
<http://gmatclub.com/forum/topic-147838.html>

GMAT Data
Sufficiency
(DS)

Tags: Word Problems | Source: GMAT Prep | Difficulty: Sub-600 Level

At a certain restaurant, if each hamburger costs the same amount, what is the cost, excluding sales tax, of 1 hamburger?

- (1) The total cost, including a 6 percent sales tax, is \$4.77 for 3 hamburgers.
(2) The total cost, including a 6 percent sales tax, is less than \$6.50 for 4 hamburgers.

- 9 Is the three-digit number n less than 550? by Stiv
<http://gmatclub.com/forum/topic-134533.html>

GMAT Data
Sufficiency
(DS)

Tags: Source: GMAT Prep | Difficulty: 700-Level | Number Properties

Is the three-digit number n less than 550?

- (1) The product of the digits in n is 30.
(2) The sum of the digits in n is 10.

- 10 A certain store sells chairs individually or in sets of 6 by TomB
<http://gmatclub.com/forum/topic-130903.html>

GMAT Data
Sufficiency
(DS)

Tags: Percent and Interest Problems | Source: GMAT Prep | Difficulty: Sub-600 Level

A certain store sells chairs individually or in sets of 6. The store charges less for purchasing a set of 6 chairs than for purchasing 6 chairs individually. How much does the store charge for purchasing a set of 6 chairs?

- (1) The charge for purchasing a set of 6 chairs is 10 percent less than the charge for purchasing the 6 chairs individually.
(2) The charge for purchasing a set of 6 chairs is \$20 more than the charge for purchasing the 5 chairs



The list of ANSWERS:

Answer

1 C

2 C

3 E

4 D

5 D

6 C

7 C

8 A

9 C

10 C



The list of questions from GMAT Club forum

18. DS GMAT Prep.

generated on **November 29, 2016**

by **SajjadAhmad**





1 Is $|XY| > X^2Y^2$? by alexa
<http://gmatclub.com/forum/topic-186460.html>

Tags: Difficulty: 600-700 Level | Absolute Values/Modules | Exponents/Powers | Source: GMAT Prep

GMAT Data
Sufficiency
(DS)

Please help !!!

Is $|XY| > X^2Y^2$?

(1) $0 < X^2 < 1/4$

(2) $0 < Y^2 < 1/9$

Thank you!

Question Discussed Here: [is-xy-x-2-y-158106.html#p1257906](http://gmatclub.com/forum/is-xy-x-2-y-158106.html#p1257906)

2 In the XY-Plane, is the slope of the line k equal to 0 ? by voodoochild
<http://gmatclub.com/forum/topic-137009.html>

Tags: Coordinate Geometry | Source: GMAT Prep | Poor Quality | Difficulty: 700-Level

GMAT Data
Sufficiency
(DS)

In the XY-Plane, is the slope of the line k equal to 0 ?

(1) The X-intercept of k is 0

(2) The Y-intercept of k is 0.

[Reveal] Spoiler:
Logically, OA E makes sense.

However, **I need to understand what's wrong with the algebraic method. Please don't reply with an intuitive answer. There is no doubt about OA.**

A
Let the equation of line be $y=mx+c$

1) X intercept $\Rightarrow 0=mx+c \Rightarrow x=-c/m$; Now if the x-intercept $=0$; it means that m could be either infinity or a non-zero. I believe that " $c/m = 0/0$ " is undefined. Hence, m will not be equal to Zero. No. This doesn't make sense. What am I missing here?

2) Y intercept $\Rightarrow y=c=0$; therefore, $y=mx$; Not sufficient.

1 and 2) x intercept = 0 and y-intercept = 0 $\Rightarrow c=0$ and $c/m=0 \Rightarrow m$ is not equal to zero.

It's crazy, but I am a bit lost....

Thoughts?

OPEN DISCUSSION OF THIS QUESTION IS HERE: [in-the-xy-plane-is-the-slope-of-line-k-equal-to-146084.html](http://gmatclub.com/forum/in-the-xy-plane-is-the-slope-of-line-k-equal-to-146084.html)

3 Is it true that $x > 0$? by viktorija
<http://gmatclub.com/forum/topic-189254.html>

Tags: Source: GMAT Prep | Algebra | Difficulty: 700-Level

GMAT Data
Sufficiency
(DS)



Is it true that $x > 0$?

- (1) $x^2 = 2x$
(2) $x^3 = 3x$

The GMAC explanation for the statement (2) states, that for the $x^3=3x$, values for x are 0 and 3. It sounds incorrect to me.

4 Is $x > y$? by newbornmuse
<http://gmatclub.com/forum/topic-173053.html>

Tags: Inequalities | Source: GMAT Prep | Difficulty: Sub-600 Level

GMAT Data
Sufficiency
(DS)

Is $x > y$?

- (1) $x + y < 0$
(2) $x - y > 0$

I solved this using brute force (testing numbers). Anyone have a simple algebraic or abstract solution?

5 In the xy -plane is the slope of line k equal to 0? by fozzzy
<http://gmatclub.com/forum/topic-146084.html>

Tags: Difficulty: 700-Level | Coordinate Geometry | Source: GMAT Prep | Poor Quality

GMAT Data
Sufficiency
(DS)

In the xy -plane is the slope of line k equal to 0?

- (1) The x -intercept of k is 0.
(2) The y -intercept of k is 0.

6 If P , Q , and R are points on the number line, what is the distance between P and R ? by amar87
<http://gmatclub.com/forum/topic-162895.html>

Tags: Arithmetic | Coordinate Geometry | Source: GMAT Prep | Difficulty: Sub-600 Level

GMAT Data
Sufficiency
(DS)

If P , Q , and R are points on the number line, what is the distance between P and R ?

- (1) Q is between P and R .
(2) The distance between P and Q is 5.

[Reveal] Spoiler:
I got answer as C but the answer is supposed to be E???

Please help!

7 The profit from the sale of a certain appliance increases by L stadt
<http://gmatclub.com/forum/topic-127877.html>

Tags: Arithmetic | Word Problems | Source: GMAT Prep | Difficulty: Sub-600 Level

GMAT Data
Sufficiency
(DS)



The profit from the sale of a certain appliance increases, though not proportionally, with the number of units sold. did the profit exceed \$4 million on sales of 380000 units?

- (1) The profit exceeded \$2 million on sales of 200,000 units.
- (2) The profit exceeded \$5 million on sales of 350,000 units.

OG12, 23 DS

Are we supposed to assume that the remaining 150,000 in A and the remaining 30,000 in B will generate different profits?-that is, they are sold separately as different chunks?

Can't we just say,

2 Million / 200,000 = price per unit? Therefore, answer is D.

OA is

[Reveal] Spoiler:
B

Some people calculate it profit for A this way

[Reveal] Spoiler:

So, for 380,000 units, the profit exceeded $(380,000 * 2)/200,000 = \3.8 million, but it is not clear if the profit exceeded \$4 million or not; NOT sufficient.

Where did they get the 2 from?

OPEN DISCUSSION OF THIS QUESTION IS HERE: [the-profit-from-the-sale-of-a-certain-appliance-increases-137874.html](http://www.gmatclub.com/forum/the-profit-from-the-sale-of-a-certain-appliance-increases-137874.html)

8 Are the two nonzero integers x and y by SUNGMAT710

<http://www.gmatclub.com/forum/topic-158573.html>

Tags: Source: GMAT Prep | Difficulty: Sub-600 Level | Inequalities

GMAT Data
Sufficiency
(DS)

Are the two nonzero integers x and y on opposite sides of 0 on the number line?

- (1) The sum of x and y is 0.
- (2) The product of x and y is less than 0.

9 All the clients that Company X had at the beginning of last by Naina1605

<http://www.gmatclub.com/forum/topic-128023.html>

Tags: Source: GMAT Prep | Fractions/Ratios/Decimals | Poor Quality | Difficulty: Sub-600 Level

GMAT Data
Sufficiency
(DS)

All the clients that Company X had at the beginning of last year remained with the company for the whole year. If Company X acquired new clients during the year, what was the ratio of the number of clients that Company X had at the end of last year to the number of clients that it had at the beginning of last year?

- (1) The ratio of the number of clients that Company X had at the beginning of last year to the number of new clients that it acquired during the year was 12 to 1.
- (2) Company X had 144 clients at the beginning of last year.

OA is A...but i chose E because we dont know whether the new clients hired remained till the end of the year...we only know that the clients at the begining of the year remained till the end of last year... so according to me we need to know whether the new clients also remained with Company X at the end of last year...statement 1 does not give us this information. I know GMATPREP can NEVER be wrong, but i think i have a point here.. ☹️

Thanks in advance.



10

A combined of 55 light bulbs are stored in two boxes by enigma123

<http://gmatclub.com/forum/topic-129383.html>

Tags: Difficulty: 600-700 Level | Arithmetic | Source: GMAT Prep | Word Problems

GMAT Data
Sufficiency
(DS)

A combined of 55 light bulbs are stored in two boxes; of these, a total of 7 are broken. If there are exactly two broken bulbs in the first box, what is the number of bulbs in the second box that are not broken?

- (1) In the first box, the number of bulbs that are not broken is 15 times the number of the broken bulbs.
- (2) The total number of bulbs in the first box is 9 more than the total number of bulbs in the second box.



The list of ANSWERS:

Answer

1 C

2 A

3 C

4 B

5 A

6 E

7 B

8 D

9 A

10 D



The list of questions from GMAT Club forum

19. DS GMAT Prep.

generated on **November 29, 2016**

by **SajjadAhmad**



- 1 Is $x > y$? by jayoptimist
<http://gmatclub.com/forum/topic-136541.html>

GMAT Data
Sufficiency
(DS)

Tags: Inequalities | Source: GMAT Prep | Difficulty: 600-700 Level

Is $x > y$?

(1) $x/4 = y^2$

(2) $x > 1$

- 2 If $xy = -18$, is x less than y ? by jsphcal
<http://gmatclub.com/forum/topic-150502.html>

GMAT Data
Sufficiency
(DS)

Tags: Difficulty: Sub-600 Level | Source: GMAT Prep | Inequalities

If $xy = -18$, is x less than y ?

1) $x < 0$

2) $y < 10$

- 3 Buckets X and Y contained only water and bucket Y was $1/2$ by fozzzy
<http://gmatclub.com/forum/topic-146122.html>

GMAT Data
Sufficiency
(DS)

Tags: Difficulty: 600-700 Level | Word Problems | Source: GMAT Prep

Buckets X and Y contained only water and bucket Y was $1/2$ full. If all of the water in bucket X was then poured into bucket Y, what fraction of the capacity of Y was then filled with water?

- (1) Before the water from X was poured, X was $1/3$ full
 (2) X and Y have the same capacity.

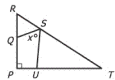
Kindly provide detailed explanations, thanks!

- 4 In the figure shown, what is the value of x ? by thagem01
<http://gmatclub.com/forum/topic-137007.html>

GMAT Data
Sufficiency
(DS)

Tags: Source: GMAT Prep | Geometry | Difficulty: 700-Level

In the figure shown, what is the value of x ?



- (1) The length of line segment QR is equal to the length of line segment RS.
 (2) The length of line segment ST is equal to the length of line segment TU.

OPEN DISCUSSION OF THIS QUESTION IS HERE: [in-the-figure-shown-what-is-the-value-of-x-125923.html](http://gmatclub.com/forum/topic-125923.html)

- 5 Today, Malvika is prepared a dish that needed one and a half by elegant
<http://gmatclub.com/forum/topic-141325.html>

GMAT Data
Sufficiency
(DS)

Tags: Word Problems | Source: GMAT Prep | Difficulty: 700-Level



Today, Malvika is prepared a dish that needed one and a half bowl of noodles for 4 servings. How many bowls of noodles will Malvika use next Saturday?

(1) Next Saturday, Malvika will make half the number of servings that she prepared earlier today.

(2) Earlier today, Malvika used half a dozen bowls of noodles to prepare her dish.

Am I missing something here, or is (1) perfectly OK to answer the question? Or should I read the question as:

Today, Earlier today and Next Saturday?

Thank you for the help,

All the best.

6 Sally gave some of her candy to her friends. How many pieces by fozzzy

<http://gmataclub.com/forum/topic-145862.html>

Tags: Difficulty: 600-700 Level | Source: GMAT Prep | Word Problems

GMAT Data
Sufficiency
(DS)

Sally gave some of her candy to her friends. How many pieces of candy did she have before giving any to her friends?

(1) Sally gave each friend 8 pieces of candy

(2) Sally had 7 pieces of candy left after giving candy to her friends.

Please provide detailed explanations! Thanks!

7 Is $x > 3$? by aazhar

<http://gmataclub.com/forum/topic-135448.html>

Tags: Difficulty: 600-700 Level | Inequalities | Source: GMAT Prep

GMAT Data
Sufficiency
(DS)

Is $x > 3$

(1) $(x-1)^2 > 4$

(2) $(x-1)^2 > 9$

8 In the xy -plane, if line k has a negative slope and passes by Val1986

<http://gmataclub.com/forum/topic-134060.html>

Tags: Coordinate Geometry | Source: GMAT Prep | Difficulty: 700-Level

GMAT Data
Sufficiency
(DS)

In the xy -plane, if line k has negative slope and passes through the point $(-5, r)$, is the x -intercept of line k positive?

(1) The slope of line k is -5 .

(2) $r > 0$

OPEN DISCUSSION OF THIS QUESTION IS HERE: [in-the-xy-plane-if-line-k-has-negative-slope-and-passes-135197.html](http://gmataclub.com/forum/topic-135197.html)

9 Is $m > k$? (1) $3m > 3k$ (2) $2m > 2k$ by rpamecha

<http://gmataclub.com/forum/topic-131095.html>

Tags: Difficulty: Sub-600 Level | Source: GMAT Prep | Inequalities

GMAT Data
Sufficiency
(DS)



Is $m > k$?

- (1) $3m > 3k$
- (2) $2m > 2k$

It's easy but need to know really a quick way to check this sufficiency. Also do we really need to test all kinds of integers/fractions to prove the sufficiency?

10

Of the 60 animals on a certain farm, $\frac{2}{3}$ are either pigs or by piyushksharma

<http://gmatclub.com/forum/topic-130377.html>

Tags: Fractions/Ratios/Decimals | Source: GMAT Prep | Difficulty: 600-700 Level | Word Problems

GMAT Data
Sufficiency
(DS)

Of the 60 animals on a certain farm, $\frac{2}{3}$ are either pigs or cows. How many of the animals are cows?

- (1) the farm has more than twice as many cows as it has pigs.
- (2) The farm has more than 12 pigs.

Can some please explain this in detail.



The list of ANSWERS:

Answer

1 C

2 A

3 C

4 C

5 C

6 E

7 E

8 E

9 D

10 C



The list of questions from GMAT Club forum

20. DS GMAT Prep.

generated on **November 29, 2016**

by **SajjadAhmad**





- 1 If n is an integer and $100 < n < 200$, what is the value of n ? by RadhaKrishnan
<http://gmataclub.com/forum/topic-126659.html>

GMAT Data
Sufficiency
(DS)

Tags: Number Properties | Source: Power Prep | Difficulty: 600-700 Level

If n is an integer and $100 < n < 200$, what is the value of n ?

- (1) $n/36$ is an odd integer.
- (2) $n/45$ is an even integer.

- 2 If two copying machines work simultaneously at their respective constant rates, how many copies do they produce in 5 minutes? by RadhaKrishnan
<http://gmataclub.com/forum/topic-126659.html>

GMAT Data
Sufficiency
(DS)

Tags: Work/Rate Problems | Source: Power Prep | Difficulty: Sub-600 Level

If two copying machines work simultaneously at their respective constant rates, how many copies do they produce in 5 minutes?

- (1) One of the machines produces copies at the constant rate of 250 copies per minute.
- (2) One of the machines produces copies at twice the constant rate of the other machine.

- 3 The median length of the 13 logs in shipment x was 84 inches by thinktank
<http://gmataclub.com/forum/topic-150203.html>

GMAT Data
Sufficiency
(DS)

Tags: Source: Power Prep | Difficulty: Sub-600 Level | Source: GMAT Prep QP1

The median length of the 13 logs in shipment x was 84 inches, and the median length of the 21 logs in shipment y was 85 inches. If the two longest logs in shipment Y were transferred to shipment X , what would be the median length, in inches, of the 15 logs in shipment X after the transfer?

- 1) The two logs transferred had lengths of 91 and 92 inches, respectively.
- 2) The longest log that was in shipment x before the transfer had length 90 inches.

+1 if u like the Q 😊

- 4 If m , x , and y are positive integers, what is the value of x ? by aeglorre
<http://gmataclub.com/forum/topic-165925.html>

GMAT Data
Sufficiency
(DS)

Tags: Difficulty: Sub-600 Level | Algebra | Exponents/Powers | Source: Power Prep



If m , x , and y are positive integers, what is the value of $x - y$?

1) $2^x = m \cdot 2^y$

2) m is a multiple of 4

[Reveal] Spoiler:

Aren't questions like these fairly straightforward? I'm asking because I'm not sure my approach is correct, correct me if I'm wrong:

1) gives us three unknowns and one equation, but since we need to solve for two "unknowns" (m and $[x - y]$), then 1) clearly is insufficient.

2) This only tells us that $m = 4n$, that doesn't make anything easier for us, we know nothing about the relationship between m , x and y . Insufficient

1 + 2) We now have the equation $2^x = 4n \cdot 2^y$; this has made nothing easier for us since m has now been converted to another unknown. Sure, its possible values have been restricted, but that's still clearly insufficient since we have 3 unknowns and one equation. So answer is E.

Is this - non calculations-based approach viable?

- 5 If n is a member of the set $\{33, 36, 38, 39, 41, 42\}$, what is the value of n ? by mcelroytutoring
<http://gmataclub.com/forum/topic-215731.html>

Tags: Difficulty: Sub-600 Level | Statistics and Sets Problems | Source: Power Prep

GMAT Data
Sufficiency
(DS)

If n is a member of the set $\{33, 36, 38, 39, 41, 42\}$, what is the value of n ?

(1) n is even

(2) n is a multiple of 3

SOLUTION:

[Reveal] Spoiler:

Attachment:

n is member of $\{33, 36, 38, 39, 41, 42\}$

1) n is even
 n could be = 36, 38, 42
A B
D C
E
(NS)

2) n is multiple of 3
 n could be = 33, 36, 39, 42
(NS)

3) n is even and multiple of 3:
36, 42
(NS)

Screen Shot 2016-03-28 at 6.03.27 PM.png [85.75 KiB | Viewed 427 times]

- 6 Each number after the first number in the sequence is 4 less than the first number by sejpara
<http://gmataclub.com/forum/topic-181067.html>

Tags: Sequences | Source: Power Prep | Difficulty: Sub-600 Level

GMAT Data
Sufficiency
(DS)



Each number after the first number in the sequence is 4 less than the number immediately preceding it. What is the fourth number in the sequence?

- (1) The seventh number in the sequence is 31.
- (2) The first number in the sequence is 55.



The list of ANSWERS:

#Answer

1 B

2 E

3 E

4 E

5 E

6 D
