GMAT QUANT PRACTICE PAPER

1. A student is taking a test. For every correct answer, the student earns 7 points and for every incorrect one the student loses 12 points.
   How many questions did the student answered correctly?

   (1) Student gathered 77 points in the test.
   (2) Of all the answers that the student provided, 7 were incorrect.
2. Each of the 256 solid-colored marbles in a box is either blue, green, or purple. What is the ratio of the number of blue marbles to the number of purple marbles in the box?

   (1) The number of green marbles in the box is 4 times the number of blue marbles in the box.
   (2) There are 192 green marbles in the box.
3. A mixture is composed of ingredients A, B, C, and D. How much more (in grams) of ingredient A than ingredient D is in the mixture?

   (1) The ingredients A, B, C, and D are in the ratio 10:5:4:2, respectively.
   (2) The amount (in grams) of ingredient B is 4 more than that of ingredient C.
4. A vinegar and oil salad dressing contains v liters of vinegar and w liters of oil. If there are 5 liters of the dressing in a jar, how much vinegar is in the jar?

   (1) $(w + 2.5)/7.5 = 1/2$
   (2) If 2.5 liters of oil were added to the jar, 50% of the dressing would be vinegar.
5. At a certain stand, all soft drinks cost the same and all sandwiches cost the same. How much does 1 sandwich cost at the stand?

   (1) At the stand, 1 sandwich and 2 soft drinks cost a total of $3.15.

   (2) At the stand, 3 sandwiches and 1 soft drink cost a total of $5.70.
6. Working independently at their respective constant rates, machines X and Y took 15 minutes to fill an order. What fraction of the order was filled by machine X?

   (1) Working alone at its constant rate, machine X would have taken 60 minutes to fill the order.
(2) Working alone at its constant rate, machine Y would have taken 20 minutes to fill the order. 7. Was the amount of John's heating bill for February greater than it was for January?

   (1) The ratio of the amount of John's heating bill for February to that for January was 26/25.
(2) The sum of the amounts of John's heating bills for January and February was $183.60. 8. A company bought 3 printers and 1 scanner. What was the price of the scanner ?

   (1) The total price of the printers and the scanner was $1,300.

   (2) The price of each printer was 4 times the price of the scanner.
9. In a recent town election, what was the ratio of the number of votes in favor of a certain proposal to the number of votes against the proposal?

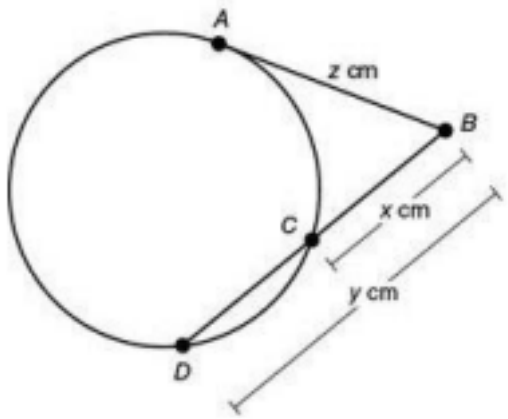
   (1) There were 60 more votes in favor of the proposal than against the proposal.
   (2) There were 240 votes in favor of the proposal.

10. What the value of x ?
    (1) x^2 - 4x + 3 = 0
    (2) x^2 - 2x + 1 = 0
11. n, 15, 12, 9, 20
    What is the value of n in the list above?

    (1) n> 12
    (2) The median of the numbers in the list is 13.
12. If m is an integer greater than 1, is m an even integer?

    (1) 32 is a factor of m.

    (2) m is a factor of 32.



13. In the figure above, AB, which has length z cm, is tangent to the circle at point A, and BD, which has length y cm, intersects the circle at point C. If BC = x cm and $z=xy--\sqrt{z=xy}$, what is the value of x ?

    (1) CD = x cm

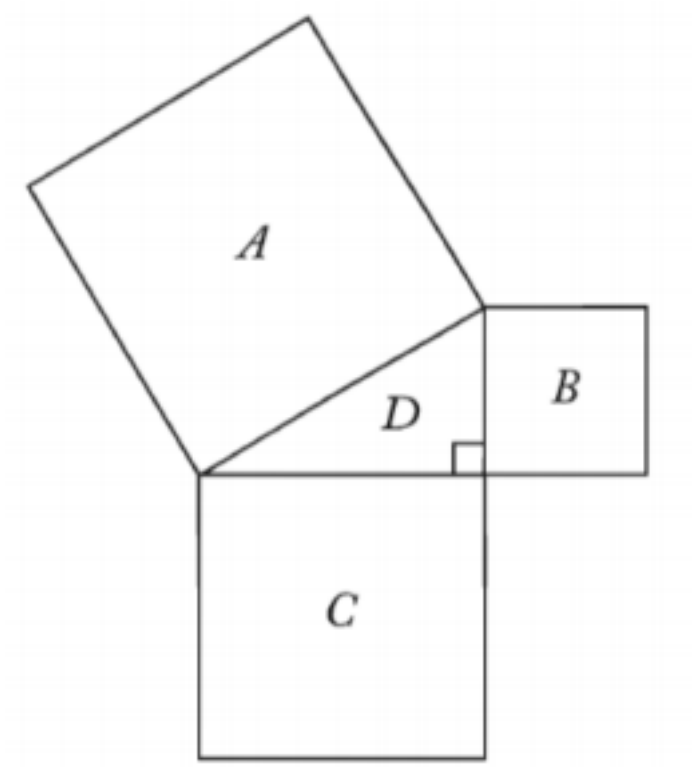
    (2) $z=52\sqrt{z=52}$
14. How much did credit-card fraud cost United States banks in year X to the nearest $ 10 million?

    (1) In year X, counterfeit cards and telephone and mail-order fraud accounted for 39 percent of the total amount that card fraud cost the banks.

    (2) In year X, stolen cards accounted for $ 158.4 million, or 16 percent, of the total amount that credit-card fraud cost the banks.
15. Rita's monthly salary is 2323 Juanita's monthly salary. What is their combined monthly salary?

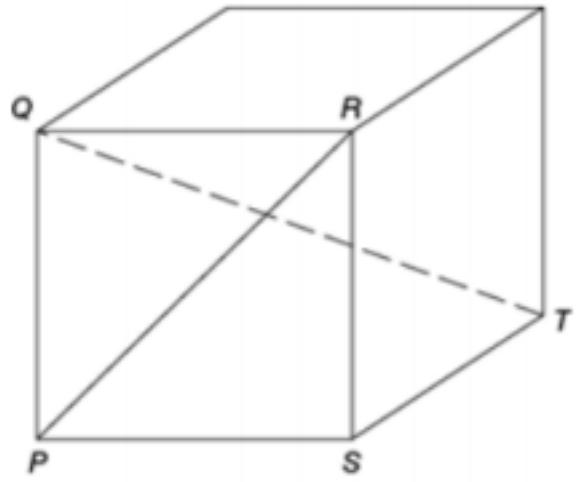
    (1) Rita's monthly salary is $ 4,000.

    (2) Either Rita's monthly salary or Juanita's monthly salary is $ 6,000.



16. In the figure above, if the area of triangular region D is 4, what is the length of a side of square region A ?

(1) The area of square region B is 9.
(2) The area of square region C is 64/9.



17. The figure above represents a box that has the shape of a cube. What is the volume of the box?

(1) PR = 10 cm
(2) $QT=56\sqrt{}$ cm

18. If x and y are integers, is x + y even?

(1) x + 2y is odd.
(2) xy is odd.

19. During a holiday Mr. & Mrs. Harry went to a hill station named 'Wings of Lord'. During their stay there Mrs. Harry went for a walk on 23 mornings whereas Mr. Harry went for a walk on 18 mornings. For how many days did Mr. & Mrs. Harry stay at 'Wings of Lord'?

I. There were a total of 8 mornings when both Mr. & Mrs. Harry went for a walk.
II. There was no day when neither went for a walk.

20. In a certain class, one student is to be selected at random to read. What is the probability that a boy will read?

(1) Two-thirds of the students in the class are boys.
(2) Ten of the students in the class are girls.

21. On the number line above, p, q, r, s, and t are five consecutive even integers in increasing order. What is the average (arithmetic mean) of these five integers?

(1) q + s =24
(2) The average (arithmetic mean) of q and r is 11.

22. If x and y are integers, what is the value of x + y?

(1) $3<(x+y)2<43<(x+y)2<4$

(2) $2<x<y<5$

23. k, n, 12, 6, 17
What is the value of n in the list above?

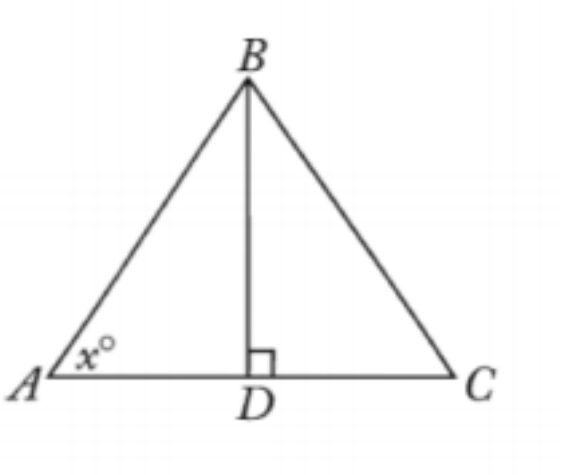
(1) k < n
(2) The median of the numbers in the list is 10.

24. If r > 0 and s > 0, is r/s < s/r?

(1) r/(3s) = 1/4
(2) s = r + 4

25. Does 2m - 3n = 0

(1) m ≠ 0
(2) 6m = 9n



26. What is the area of triangular region ABC above?

(1) The product of BD and AC is 20.
(2) x = 45

27. What number is 6 more than x + y ?

(1) y is 3 less than x.
(2) y is twice x.

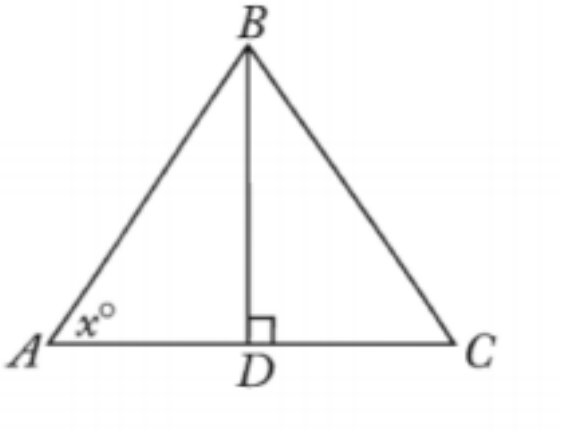
28. If x and y are integers, is $3x4+4y3x4+4y$ even?

(1) $x3x3$ is even

(2) $y2x+3y2x+3$ is even

29. At a bakery, all donuts are priced equally and all bagels are priced equally. What is the total price of 5 donuts and 3 bagels at the bakery?

(1) At the bakery, the total price of 10 donuts and 6 bagels is $12.90.
(2) At the bakery, the price of a donut is $0.15 less than the price of a bagel.



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