

2007 MBA – DATA SUFFICIENCY QUESTION PAPER

TIME : 3 HOUR

data sufficiency test.

1. If $3x - 6y = 5$, then $y = ?$

(A) $x - y = 7$

(B) $x = 3$

1. If the question can be solved using any one of the statements.
2. If the question can be solved using either of the statements.
3. If the question can be solved using both but not either alone.
4. If the question cannot be solved using the given statements.

Question 2 of 25

If 1 , find A and B ?

(A) $A = 2B$

(B) $B = 4$

1. If the question can be solved using any one of the statements.
2. If the question can be solved using either of the statements.
3. If the question can be solved using both but not either alone.
4. If the question cannot be solved using the given statements.

Question 3 of 25

What is the value of the ratio $p : q$?

(A) $3p = 2q$

(B) $2p + q = 6$

1. If the question can be solved using any one of the statements.
2. If the question can be solved using either of the statements.
3. If the question can be solved using both but not either alone.
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Question 4 of 25

If r and s are integers, is r greater than s ?

(A) $r^2 > s^2$

(B) $r^3 > s^3$

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2. If the question can be solved using either of the statements.
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Question 5 of 25

How many bricks are needed to build 3 walls? Ignore the thickness of cement mortar used.

(A) The dimensions of each wall is $3 \times 4 \times 6$ m³.

(B) The dimensions of each brick is $20 \times 15 \times 8$ cm³.

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2. If the question can be solved using either of the statements.
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Question 6 of 25

What was Dinesh's salary last year?

(A) Last year Dinesh's and Jaya's combined salaries were Rs. 88,000/-

(B) Last year Jaya's salary was 20 percent higher than that of Dinesh.

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2. If the question can be solved using either of the statements.
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Question 7 of 25

What was the purchase price of Suresh's house?

(A) The market value of Suresh's house is Rs. 12,00,000/-

(B) Suresh's house has a mortgage of Rs. 8,00,000/- which is 80 percent of its purchase price.

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2. If the question can be solved using either of the statements.
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Question 8 of 25

If y is positive, what is the value of x ?

(A) y is equal to $5x$

(B) $2y$ is equal to 12

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2. If the question can be solved using either of the statements.
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Question 9 of 25

If Sue is more than a year old, is Paul older than Sue.

(A) Paul is 3 times as old as Sue.

(B) Sue is 10 years younger than Paul.

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2. If the question can be solved using either of the statements.
3. If the question can be solved using both but not either alone.
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Question 10 of 25

Does line l_1 contain point M?

(A) Line l_2 contains point M.

(B) Lines l_1 and l_2 intersect.

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2. If the question can be solved using either of the statements.
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Question 11 of 25

In a certain school, how many students study both Hindi and Tamil given that students study atleast one language?

(A) There are 400 students who study Hindi and 300 who study Tamil.

(B) There are 600 students in the school.

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Question 12 of 25

Raghav, Rajesh and Rajan together earned Rs. 12,000. Who earned the least?

(A) Rajan earned 40% of the money.

(B) Raghav earned $1\frac{1}{2}$ times as much as Rajesh.

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Question 13 of 25

How many shares of stock A did a man buy in January?

(A) In January, he bought a certain number of shares of stock A for Rs. 384.

(B) In February he purchased four shares more than he bought in January as it was Rs.8 less than the rate he paid in January of the same year, with the same amount.

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Question 14 of 25

A man left Rs. 1,750 to be divided among his two daughters and four sons. How much did each son and daughter receive given that sex is the only criterion in the division?

(A) Each daughter was to receive three times as much as a son.

(B) Each son was to receive a third of what a daughter was to receive.

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Question 15 of 25

The ratio of areas of a square and an equilateral triangle is:

(A) The side of square is equal to side of equilateral triangle.

(B) The side of the square is 'a'.

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Question 16 of 25

Part of a sum was lent at 6% per annum and the remaining was lent at 4% per annum. Find the amount lent at 6% per annum?

(A) Total sum lent was Rs. 7,000/-.

(B) Total simple interest was Rs. 1,600/-.

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Question 17 of 25

Kantilal mixes 80 kg of sugar of type 1 with 100 kg of sugar of type 2. At what rate should he sell the mixture to gain 20%?

(A) The price of type 1 is Rs. 6.75/kg

(B) The price of type 2 is Rs. 8/kg

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Question 18 of 25

The ratio of milk to water in a mixture is 5 : 1. What quantity of water should be added to make it 5 : 3 ?

(A) The amount of water to be added is $\frac{1}{3}$ rd the original mixture.

(B) The ratio of half the amount of milk to water in the original mixture is 5 : 2.

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Question 19 of 25

The average weight of boys in a class is 28 kg and that of girls is 21 kg. Find the average weight of the class.

(A) The ratio of boys to girls is 5 : 2.

(B) Number of boys in the class is 30.

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Question 20 of 25

There are 30 boys and 12 girls in a class. Find the average weight of class.

(A) The ratio of average weight of boys to that of girls is 4 : 3.

(B) The ratio of boys to girls is 5 : 2.

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Question 21 of 25

At 12:00 noon two trains pulled out of stations that were 350 miles apart and travelled toward each other on parallel tracks until they met. What was the total distance travelled by the trains in the last hour before they met?

(A) One of the trains travelled at a constant rate of 47.35 miles per hour.

(B) One of the trains traveled at a constant rate of 57.65 miles per hour.

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Question 22 of 25

How many parking spaces are occupied in a certain parking lot?

(A) There are 100 unoccupied parking spaces.

(B) If 10 more parking spaces were occupied, 15 percent of the parking spaces would be unoccupied.

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Question 23 of 25

What is the perimeter of $\triangle LMN$ in the figure?

(A) The area of region LMN is 6

(B) $x = 45$.

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Question 24 of 25

What is the value of the positive integer m ?

(A) $m^2 = 2m$

(B) m is even

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Mark for revision | Unmark

Question 25 of 25

Company X has budgeted \$ 28,000 for bonuses to be distributed to its 40 employees, all of whom are either office or production workers. What bonus will each production worker receive?

(A) Company X has 4 times as many production worker as office workers.

(B) The bonus for each production worker will be 50 percent greater than the bonus for each office worker.

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