College of Admission

CAT

Sample Questions

The Sample Questions are provided to familiarize you with the contents of the section.

Quantitative Comparison

Sample Questions for:
Quantitative Comparison
Difficulty Level: 1-5 of 10

Quantitative Comparison

Directions:

In this section you will be given two quantities, one in column A and one in column B. You are to determine a relationship between the two quantities and mark.

- A. If the quantity in column A is greater than the quantity in column B.
- B. If the quantity in column B is greater than the quantity in column A.
- C. If the quantities are equal.
- D. If the comparison cannot be determined from the information that is given.

No.	Column A	Column B
1	40% of the boys in a class are in the band. 60% of the girls in the same class are in the band.	
	Number of boys not in band	Number of girls not in band

No.	Column A	Column B
2	3% of 4%	0.0012

No.	Column A	Column B
3	$\dfrac{\left(\dfrac{2}{3}-\dfrac{3}{4}\right)}{\dfrac{4}{3}}$	$\dfrac{\left(\dfrac{3}{4}-\dfrac{2}{3}\right)}{\dfrac{1}{2}}$

No.	Column A	Column B
4	$\sqrt{8}+\sqrt{24}$	$\sqrt{32}$

No.	Column A	Column B
5	$\left(\dfrac{14}{27}\right)^2$	$\left(\dfrac{14}{27}\right)^3$

No.	Column A	Column B
6	M = 4 , N = 3 , R = -2	
	$3N(2R)^2$	$(2MR)^2$

No.	Column A	Column B
7	$\dfrac{1}{\sqrt[3]{64}}$	$\dfrac{\sqrt[4]{16}}{64}$

No.	Column A	Column B
8	3x + 4 = y	
	x is a positive integer less than or equal to 7	
	The number of values of y which are prime numbers	2

No.	Column A	Column B
9	r is the radius of a given circle, r $\neq$ 0	
	r^2	r^3

No.	Column A	Column B
10	The average of the degrees in all the angles in a quadrilateral	The average of the degrees in all the angles of two triangles

No.	Column A	Column B
11	S = 1 , T = 4 , R = -3	
	4s + 3t	$2t - 2r$

No.	Column A	Column B
12	12% of 72,000	7% of 37,000

No.	Column A	Column B
13	(57)(59)	$(58)^2$

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14	$\dfrac{1}{x^2 - 2x}$	
	X = ¼	X = 4

No.	Column A	Column B
22	x = 2y + 3 , y = -2	
	x	-1

15	The average of 17, 19, 21, 23, 25, 27	The average of 18, 20, 22, 24, 26

23	The number of months in 7 years	The number of days in 12 weeks

16	3x + 4 = y x is a positive integer less than 0 and greater than -2	
	The number of values of y which are prime numbers	1

24	$(0.82)^2(0.82)^3$	$(0.82)^6$

25	(x - 1)(x)(x + 1)	(x)(x)(x)

17	$\dfrac{1}{\sqrt[3]{64}}$	$\dfrac{\sqrt[4]{16}}{64}$

26	(27 - 13) (296 + 534)	(27 + 13) (534 + 296)

27	$y^2 + z^2 = 34$ and yz = 15	
	$y^2 + 2yz + z^2$	$(y + z)^2$

18	The result after 7.532 has been rounded to the nearest tenth	The result after 7.471 has been rounded to the nearest tenth

28	$(y + 5)^2$	$(y - 5)^2$

29	y2 + z2 = 34 and yz = 15	
	$y^2 + 2yz + z^2$	$(y + z)^2$

19	When twice the number N is decreased by 4, the result is 8	
	N	12

30	100 < y < 200 and 100 < z < 210	
	Y	Z

20	Set T consists of all the positive integer multiples of 2 that are less than 50, and set R consists of all the positive integer multiples of 7 that are less than 50.	
	The number of integers that sets T and R have in common	4

For answers and solution explanation of the questions, visit official website of College of Admission tests.

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21	x°, y°, and z° are the measures of three of the four angles of a parallelogram	
	x + y	2z

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