

College of Admission

Test Taker's Help Series



CAT

Sample Questions

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

Quantitative Comparison



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

Purpose of this set of sample questions is to familiarize the test taker with the question types that appear on the actual test.

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

2	3% of 4%	0.0012
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3	$\left(\frac{2}{3} - \frac{3}{4}\right)$	$\left(\frac{3}{4} - \frac{2}{3}\right)$
	$\frac{4}{3}$	$\frac{1}{2}$

4	$\sqrt{8} + \sqrt{24}$	$\sqrt{32}$
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No.	Column A	Column B
5	$\left(\frac{14}{27}\right)^2$	$\left(\frac{14}{27}\right)^3$

6	$M = 4, N = 3, R = -2$	
	$3N(2R)^2$	$(2MR)^2$

7	$\frac{1}{\sqrt[3]{64}}$	$\frac{\sqrt[4]{16}}{64}$
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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

9	r is the radius of a given circle, $r \neq 0$	
	r^2	r^3

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
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11	$S = 1, T = 4, R = -3$	
	$4s + 3t$	$2t - 2r$

12	12% of 72,000	7% of 37,000
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13	$(57)(59)$	$(58)^2$
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No.	Column A	Column B
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14	$\frac{1}{x^2 - 2x}$	
	$X = \frac{1}{4}$	$X = 4$

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

17	$\frac{1}{\sqrt[3]{64}}$	$\frac{\sqrt[4]{16}}{64}$
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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
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19	When twice the number N is decreased by 4, the result is 8	
	N	12

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

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

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

23	The number of months in 7 years	The number of days in 12 weeks
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24	$(0.82)^2(0.82)^3$	$(0.82)^6$
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25	$(x - 1)(x)(x + 1)$	$(x)(x)(x)$
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26	$(27 - 13)(296 + 534)$	$(27 + 13)(534 + 296)$
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27	$y^2 + z^2 = 34$ and $yz = 15$	
	$y^2 + 2yz + z^2$	$(y + z)^2$

28	$(y + 5)^2$	$(y - 5)^2$
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29	$y^2 + z^2 = 34$ and $yz = 15$	
	$y^2 + 2yz + z^2$	$(y + z)^2$

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

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

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