

GAT-B Arts, Humanities & Social Science Quantitative

Sr	Questions	Answers Choice
1	If a is 20% of b, and b is 75% of c, then a is what percent of c?	A. 15 B. 55 C. 95 D. 40
2	What is the value of the function $k(x) = x^2 - 2$ when $x = 7$?	A. 5 B. 9 C. 45 D. 47 E. 51
3	The average height of five men is 68 inches. If one man is 70 inches tall and three others have an average of 67 inches, the height of the fifth man, in inches, is	A. 68 B. 69 C. 70 D. 71
4	A and B do a job together in two hours. Working alone A does the job in 5 hours. How long will it take B to do the job alone?	A. 2 hrs B. 3 hrs C. 1 hrs D. 3 1/3 hrs
5	If P represents the area and W represents the circumference of the circle, then P in terms of W is:	A. $2\pi/W$ B. $4\pi^2/W$ C. $2\pi^2/W$ D. $W^2/4\pi$
6	<p>Direction: In the following type of question, each consists of two quantities, one in column A and one in column B. You must compare two quantities and on the answer sheet fill in.</p> <p>A. If the quantity in column A is greater. B. If the quantity in column B is greater. C. If the two quantities are equal. D. If the relationship cannot be determined from the information given.</p> <p>Notes: Sometimes, in certain question, information concerning one or both the quantities to be compared is centered above the two columns. A symbol that in both columns represents the same thing in column A as it does in column B.</p> <p>Column A $27 \div 9 \times 3$ Column B 7</p>	A. A B. B C. C D. D
7	Suzuki comes in 5 models, 8 colors, and 3 sizes. How many Suzuki must the local dealer have on hand in order to have one of each kind available?	A. 24 B. 120 C. 16 D. 39
8	If $x > y$, then $(x - y)(x + y)$ is :	A. equal to $(x - y)(x + y)$ B. less than $(x - y)(x + y)$ C. greater than $(x - y)(x + y)$ D. options A and C
9	In figure 2, what is the area of $\triangle BED$?	A. 16 B. 14 C. 12 D. 6

Direction: In the following type of question, each consists of two quantities, one in column A and one in column B. You must compare two quantities and on the answer sheet fill in.

- A. If the quantity in column A is greater.
- B. If the quantity in column B is greater.
- C. If the two quantities are equal.

D.If the relationship cannot be determined from the information given.

10

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- A. A
- B. B
- C. C
- D. D

Column A

$$(2)^N$$

Column B

$$(-2)^{N+1}$$

N is a positive integer

Direction: In the following type of question, each consists of two quantities, one in column A and one in column B. You must compare two quantities and on the answer sheet fill in.

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- A. A
- B. B
- C. C
- D. D

Column A

$$g^2$$

Column B

$$3^4$$

$$(8^{2a} = 4^{3b})$$

12

Question Image

- A. $\frac{4}{\pi}$
- B. $\frac{1}{1}$
- C. $\frac{2}{3}$
- D. $\frac{1}{2}$

13

If 35 students took an exam and 13 of failed, what percent of them passed?

- A. 20% approx
- B. 63% approx
- C. 25% approx
- D. 22% approx

14

If circumference of a circle is 3π , then its area is:

- A. $\frac{7\pi}{2}$
- B. $9\pi^2$
- C. $4\pi^2$
- D. $\frac{9\pi}{4}$

15

A clock gain 8 minutes every x hours. How many hours will the clock gain in 3 days?

- A. $\frac{576}{x}$
- B. $\frac{48}{5x}$
- C. $\frac{24}{x}$
- D. $\frac{576}{5x}$

16

What percent of 75 is x?

- A. $\frac{3}{4} - x$
- B. $\frac{4}{3}x$
- C. $4x$
- D. $3x$

17

A class of 30 girls and 40 boys sponsored a mango party. If 60 percent of the girls and 25 percent of the boys went on the party, what percent of the class went on the party?

- A. 30%
- B. 35%
- C. 50%
- D. 40%

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- C. If the two quantities are equal.
- D. If the relationship cannot be determined from the information given.

18

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- A. A
- B. B
- C. C
- D. D

Column A

x

Column B

5

$$1/x = 5$$

-
- 19 What is the area of the triangle AEC , in the above figure 1 ?
- A. 12
B. 49
C. 14
D. 21
-
- 20 If $x/9 = 2/3$, then $x =$
- A. $8/3$
B. 6
C. 3
D. $27/2$
-