

GAT-A Business and Engineering Quantitative

Sr	Questions	Answers Choice
1	What percent of $\frac{1}{2}$ is $\frac{5}{4}$?	A. 2.5 B. 1.5 C. 250 D. 150
2	What percent of p is q ?	A. $\frac{q}{p}$ B. $\frac{p}{q}$ C. $100\frac{q}{p}$ D. $100\frac{p}{q}$
3	If 60% of A is 30% of B, then B is what percent of A ?	A. 300% B. 30% C. 200% D. 3%
4	On a test consisting of 60 problems, Sonia solved 75% of first 40 problems correctly. What percent of the other 20 questions does she need to solve correctly for her grade on the entire exam to be 90% ?	A. 95% B. 65% C. 85 % D. cannot achieve 90%
5	A dealer bought an ornamental jar for Rs. 7,000 and after some days sold it for Rs. 21,000. By what percent did the value of jar increase ?	A. 300 B. 200 C. 150 D. 20
6	There are twice as many boys a girls in an economics class. If 20% of the boys and 35% of the girls have already handed over their result cards, that percent of the students have not yet handed over their cards ?	A. 75 B. 65 C. 55 D. 15
7	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
8	What percent of 75 is x ?	A. $\frac{3}{4}x$ B. $\frac{4}{3}x$ C. $\frac{4}{3}x$ D. $\frac{3}{4}x$
9	What is 10% of 30% of 40% ?	A. 0.12% B. 0.012% C. 12% D. 1.2%
10	If p is a positive number, 400% of p is what percent of 400 p ?	A. 4 B. 25 C. 40 D. 1
11	12 is $\frac{1}{3}$ % of what number ?	A. 4 B. 400 C. 36 D. 3600
12	If x% of y is 20, then y =	A. $2000x$ B. $100/x$ C. $2000/x$ D. $x/200$
13	If the base of a rectangle is increased by 40% and its altitude is decreased by 20% then its area is:	A. decreased by 20% B. increased by 12% C. decreased by 12% D. increased by 16%
14	A German class has 12 boys and 18 girls. What is the fraction of the class boys ?	A. $\frac{1}{6}$ B. $\frac{3}{5}$ C. $\frac{2}{3}$ D. $\frac{4}{15}$
15	$\frac{5}{8}$ of 24 is equal to $\frac{15}{7}$ of what number ?	A. 15 B. 105 C. 35 D. 7

16	3/8 of a number is 10. What is the number ?	A. 91 B. 81 C. 23 D. 27
17	Ali purchased some goldfish. During the first week, 1/5 of them died, and during the second week, 3/8 of those still alive at the end of the first week died. What is the fraction of the original goldfish still alive after two weeks ?	A. 1/2 B. 3/2 C. 5/2 D. 4/3
18	4/9 of a number is 12. What is the number ?	A. 27 B. 36 C. 18 D. 16
19	What fraction is exactly midway between 1/3 and 1/4 ?	A. 7/12 B. 7/24 C. 29/11 D. 1/2
20	A village has 5860 voters, of whom 7% usually forget to vote. In order to win an election, a candidate must gain at least 50% of the remaining votes. How many votes does he need in order to win ?	A. 2725 B. 410 C. 5450 D. None of these
21	What fractional part of a week is 98 hours ?	A. 7/98 B. 7/12 C. 1/20 D. 1/7
22	A chemical solution contains 8% of acid. If there is 15 ml of acid, what is the volume of the solution ?	A. 125.5 ml B. 187.5 ml C. 225.5 ml D. 171.5 ml
23	There are 20 boys in a class. Five of them are left-handed. What fraction of the class is left handed ?	A. 1/5 B. 1/2 C. 1/4 D. 2/11 E.
24	3/4 of 28 is equal to 30/7 of what number ?	A. 90 B. 45 C. 30 D. 56
25	If 4/13 of a number is 39, what is 8/13 of that number ?	A. 39/4 B. 78 C. 16 D. 39/8
26	6/6 × 6/12 × 6/18 × 6/24 × 6/30 equals:	A. 1/120 B. 1/2 C. 1/30 D. 1 E. None of these
27	if 5/x, 8/x and 13/x are all in lowest terms. Then how many integers, x between 30 and 40 ?	A. 5 B. 1 C. 2 D. 3
28	The product of $\sqrt{24a}$ and $\sqrt{6a}$ is:	A. 12a B. $6a^{2\frac{1}{2}}$ C. $12a^{2\frac{1}{2}}$ D. $3a\sqrt{8}$
29	If length of a rectangular field is twice that of its width. What is the perimeter of the field if its area is 1152 m ² ?	A. 256 m B. 144 m C. 24 m D. 96 m
30	How many 1cm square pieces of paper can Rachael cut from a square sheet of paper with a side length of 2.1 m?	A. 22100 cm ² B. 44100 cm ² C. 27100 cm ² D. 36100 cm ²