

ARITHMETIC

Ratio, Proportion and Percentage Worksheet

For students preparing for MAH-B.BCA/BBA/BMS/BBM CET 2024 for admission to BCA, BBA, BMS, BBM

1. A dealer marks his goods 25% above the cost price and gives discount of 8%. Find the profit percentage.
 - A. 15%
 - B. 16 %
 - C. 18%
 - D. 20%
2. If 40% of a number is equal to two-third of another number, what is the ratio of first number to the second number?
 - A. 2 : 5
 - B. 3 : 7
 - C. 5 : 3
 - D. 7 : 3
3. What decimal of an hour is a second ?
 - A. 0.0025
 - B. 0.0256
 - C. 0.00027
 - D. 0.000126
4. Which of the following fractions is greater than $\frac{3}{4}$ and less than $\frac{5}{4}$?
 - A. $\frac{1}{2}$
 - B. $\frac{2}{3}$
 - C. $\frac{4}{5}$
 - D. $\frac{1}{4}$
5. What percentage of numbers from 1 to 70 have 1 or 9 in the unit's digit?
 - A. 20.67 %
 - B. 20 %
 - C. 21 %
 - D. 22.67 %
6. John's salary was decreased by 50% and subsequently increased by 50%. How much percent does he loss?
 - A. 35%
 - B. 25%
 - C. 32%
 - D. 28%
7. If one-third of one-fourth of a number is 15, then three-tenth of that number is:
 - A. 35
 - B. 36
 - C. 45
 - D. 54
8. Which of the following fraction is the largest?
 - A. $\frac{7}{8}$
 - B. $\frac{13}{16}$
 - C. $\frac{31}{40}$
 - D. $\frac{63}{80}$
9. The length of a rectangle is halved, while its breadth is tripled. What is the percentage change in area?
 - A. 25% increase
 - B. 50% increase
 - C. 50% decrease
 - D. 75% decrease
10. Of the following which is greater than $\frac{1}{2}$?
 - A. $\frac{2}{5}$
 - B. $\frac{4}{7}$
 - C. $\frac{4}{9}$
 - D. $\frac{5}{11}$

11. If selling price is doubled, the profit triples. Find the profit percent.

- A. 66.67
- B. 105.33
- C. 120
- D. 100

12. The cost price of 40 articles is the same as the selling price of x articles. If the profit is 25%, then the value of x is:

- A. 16
- B. 32
- C. 36
- D. 48

13. What percentage of a day is 6 hours?

- A. 20%
- B. 25%
- C. 30%
- D. 40%

14. 40% of a certain number is 100. What is 90% of that number?

- A. 250
- B. 225
- C. 200
- D. 175

15. If 60% of a = b and b% of 20 is same as,

- A. 3% of a
- B. 6% of a
- C. 8% of a
- D. 12% of a

16. If $P : Q = 8 : 15$ and $Q : R = 3 : 2$, then find $P : Q : R$?

- A. 8:15:7
- B. 7:15:8
- C. 8:15:10
- D. 10:15:8

17. What will be 32% of $\frac{3}{8}$ th of 1000?

- A. 115
- B. 125
- C. 120
- D. 129

18. If $0.75 : x :: 5 : 8$ then x is equal to:

- A. 1.12
- B. 1.2
- C. 1.25
- D. 1.30

19. 45% of first number is equal to 60% of second number. If average of both the number is 10 less than the first number, then find the 80% of second number?

- A. 64
- B. 40
- C. 48
- D. 56

20. How many litres of pure acid are there in 8 litres of a 20% solution?

- A. 1.4
- B. 1.5
- C. 1.6
- D. 2.4

21. If 35% of a number is 12 less than 50% of that number, then the number is:

- A. 40
- B. 50
- C. 60
- D. 80

22. 15% of Rs. 34 is ?

- A. Rs. 3.40
- B. Rs. 3.75
- C. Rs. 4.50
- D. Rs. 5.10

Answer Key

1. A	2. C	3. C	4. C	5. B	6. B	7. D	8. A	9. D	10. B
11. D	12. B	13. B	14. B	15. D	16. C	17. C	18. B	19. C	20. C
21. C	22. D								

