

Ratio & Proportion

- Salaries of Ravi and Sumit are in the ratio 2: 3. If the salary of each is increased by Rs4,000, the new ratio becomes 40: 57. What is Sumit's salary?
(a) Rs17,000 (b) Rs20,000 (c) Rs25,500 (d) Rs38,000
- If $0.75:x::5:8$, then x is equal to:
(a) 1.12 (b) 1.2 (c) 1.25 (d) 1.30
- The sum of three numbers is 98. If the ratio of the first to second is 2:3 and that of the second to the third is 5:8, then the second number is:
(a) 20 (b) 30 (c) 48 (d) 58
- If Rs782 be divided into three parts, proportional to 1:2:3, then the first part is: $\frac{1}{2} : \frac{2}{3} : \frac{3}{4}$
(a) Rs182 (b) Rs190 (c) Rs196 (d) Rs204
- The salaries of A, B, C are in the ratio 2: 3: 5. If the increments of 15%, 10% and 20% are allowed respectively in their salaries, then what will be new ratio of their salaries?
(a) 3:3:10 (b) 10:11:20 (c) 23:33:60 (d) cannot be determined
- 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
- The fourth proportional to 5, 8, 15 is:
(a) 18 (b) 24 (c) 19 (d) 20
- Two numbers are in the ratio 3: 5. If 9 is subtracted from each, the new numbers are in the ratio 12: 23. The smaller number is:
(a) 27 (b) 33 (c) 49 (d) 55
- In a bag, there are coins of 25p, 10p and 5p in the ratio of 1: 2: 3. If there is Rs 30 in all, how many 5p coins are there?
(a) 50 (b) 100 (c) 150 (d) 200
- The monthly salaries of A and B are in the ratio 5: 6. If both of them get a salary increment of Rs2,000, the new ratio becomes 11 : 13. What is the new monthly salary of A?
(a) Rs 20,000 (b) Rs24,000 (c) Rs 26,000 (d) Rs22,000
- Six years ago, the ratio of the ages of Kunal and Sagar was 6: 5. Four years hence, the ratio of their ages will be 11: 10. What is Sagar's present age?
(a) 16 years (b) 18 years (c) 20 years (d) 22 years
- Find the mean proportion between 8 and 98.
(a) 16 (b) 53 (c) 112 (d) 28
- If the compound ratio of $[(3a + 2b): 3]$ and $[1: (3a+ b)]$ is 1: 2, then find the ratio of a : b.
(a) 1:2 (b) 1:3 (c) 1:4 (d) 1:6
- In an ornament, the ratio of gold and copper is 3: 2. The percentage of gold in the ornament is:
(a) 60 (b) 40 (c) 30 (d) 20



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15. Two numbers whose sum is 84 can not be in the ratio
(a) 5:7 (b) 13:8 (c) 1:3 (d) 3:2
16. The ratio of father's age to his son's age is 8: 5. The product of their age is 1,440. The ratio of their ages after 6 years will be:
17. (a) 2:1 (b) 3:2 (c) 11:6 (d) 13:9
18. If 30% of A = 0.25 of equal to: $B = \frac{1}{5^{\text{th}}}$ of C, then A: B: C is
(a) 5:6:4 (b) 5:24:5 (c) 6:5:4 (d) 10:12:15
19. If $5A = 13B = 7C$ find the value of A: B: C.
(a) 91:35:65 (b) 65:35:91 (c) 35:91: 65 (d) 7:13:5
20. The mean proportional between $(3 + \sqrt{2})$ and $(12 - \sqrt{32})$ is
(a) $\sqrt{7}$ (b) $2\sqrt{7}$ (c) 6 (d) $\frac{15-3\sqrt{2}}{2}$
21. If $a : b = 2:3$ $b : c = 4:5$ and $c : d = 6:7$ then $a : d$ is equal to:
(a) 12:35 (b) 24:35 (c) 16:35 (d) 24:25
1. d 2. b 3. b 4. d 5. c 6. c 7. b 8. b 9. c 10. d 11. a 12. d 13. b 14. a
15. d 16. b 17. d 18. d 19. b 20. c

