

RATIO & PROPORTION, AGES

- Two numbers are respectively 20% and 50% more than a third number. The ratio of the two numbers is:
- Rs. 8400 is divided among A, B, C and D in such a way that the shares of A and B, B and C, and C and D are in the ratios of 2:3, 4:5 and 6:7 respectively. The share of A is
- The ratio of the present age of father to that of son is 7:2. After 10 years their ages will be in the ratio of 9:4. The present ages of the father is
- In a library, the ratio of number of story books to that of non-story books was 4:3 and total number of story books was 1248. When some more story books were bought, the ratio became 5:3. Find the number of story books bought.
- Ajay and Raj together have Rs. 1050. On taking Rs. 150 from Ajay, Ajay will have same amount as what Raj had earlier. Find the ratio of amounts with Ajay and Raj initially.
- Price of each article of type P, Q, and R is Rs. 300, Rs. 180 and Rs. 120 respectively. Suresh buys articles of each type in the ratio 3:2:3 in Rs. 6480. How many articles of type Q did he purchase?
- The ratio of market prices of wheat and paddy is 2:3 and the ratio of quantities consumed in a family is 5:4. Find the ratio of expenditure of wheat and paddy.
- The ratio of numbers of girls and boys participating in sports of a school is 4:5. If the number of girls is 212, determine the number of boys participating in the sports.
- If $A:B = 2:3$, $B:C = 4:5$ and $C:D = 6:7$, then $A:B:C:D$ is
- The three numbers are in the ratio $1/2 : 2/3 : 3/4$. The difference between greatest and smallest numbers is 36. Find the numbers.
- How many toffees were distributed in the total among Ankit, Aniket and Anuj in the ratio 2:3:7, if Aniket receives 84 toffees in total?
a) 300 b) 312 c) 324 d) 336
- Parul is one-fifth the age her mother was 15 years ago and Parul's brother is three-fifth the age his mother was 10 years ago. If sum of Parul and his brother's ages is 31, then how old is Parul's mother?
a) 50 b) 40 c) 35 d) 60
- The average of 7 numbers is 50. The average of first three of them is 40, while the average of the last three is 60. What must be the remaining number?
a) 30 b) 40 c) 50 d) 45

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14. A car engine is half filled and holds 15 litres of petrol. What fraction of the engine is full if it contains 18 litres of petrol?
a) $\frac{1}{4}$ b) $\frac{2}{3}$ c) $\frac{2}{5}$ d) $\frac{3}{5}$
15. A bag contains coins of 1 rupee, 2 rupees and 5 rupees in the ratio 4:8:5. The number of 5 rupee coins is:
a) 8 b) 16 c) 15 d) 10
16. How many toffees were distributed in total among Ankit, Aniket and Anuj in the ratio 2:3:7. If Aniket receives 84 toffees In total?
a) 300 b) 312 c) 336 d) 310
17. Find the ratio of distances covered by a car and a cyclist when it is given that the car moves for 1.5 hours at 30 kmph and the cyclist moves for 1 hour at 25 kmph?
a) 6:5 b) 9:5 c) 3:2 d) 5:1
18. 3 persons invested Rs.36000. Raj and Salim has 5:4 ratio and Salim and Rajesh has 8:9 ratio. What is the amount got by Rajesh?
a) 2000 b) 4000 c) 5000 d) 8000
19. How many toffees were distributed in total among Ankit, Aniket and Anuj in the ratio 2:3:7, if Aniket receives 84 toffees in total?
a) 300 b) 312 c) 324 d) 336
20. Find the ratio of the distance covered by the car and the cyclist when it is given that the car moves 1.5 hours at 30 kmph and cyclist moves for 1 hour at 25 kmph
a) 6:5 b) 9:5 c) 5:2 d) 5:1



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