

SHARING INTO A RATIO

Answer all of these questions. Remember to show your working out in all questions.

MAIN QUESTIONS

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| 1. Share 10 in ratio 1:1 | 2. Share 15 in ratio 2:1 |
| 3. Share 20 in ratio 3:2 | 4. Share 30 in ratio 1:2 |
| 5. Share 25 in ratio 4:1 | 6. Share 40 in ratio 3:5 |
| 7. Share 50 in ratio 2:3 | 8. Share 60 in ratio 4:2 |
| 9. Share 30 in ratio 1:2:3 | 10. Share 48 in ratio 2:3:1 |
| 11. Share 100 in ratio 3:7 | 12. Share 120 in ratio 5:3 |
| 13. Share 90 in ratio 4:5 | 14. Share 24 in ratio $1/2 : 1/4$ |
| 15. Share 36 in ratio $3/4 : 1/4$ | 16. Ratio A:B = 3:2, A=18, find B |
| 17. Ratio X:Y = 4:5, X=20, find Y | 18. Ratio P:Q = 7:3, Q=15, find P |
| 19. Share 100 in ratio 1:2:3 | 20. Share 120 in ratio 2:3:4 |
| 21. Share 50 in ratio 0.5 : 0.5 | 22. Share 60 in ratio 1.5 : 2.5 |
| 23. Share 100 in ratio $2/3 : 1/3$ | 24. Larger share 45 in ratio 5:3, find smaller share |
| 25. Total 49 shared in ratio 3:4, find parts | 26. Share 72 in ratio 3:5:7 |
| 27. Ratio M:N = 5:8, M=25, find N | 28. Share 150 in ratio 4:6 |
| 29. Share 200 in ratio 1.2 : 0.8 | 30. Share 180 in ratio $5/3 : 4/3$ |

MASTER QUESTIONS



- M1.** Two people share £60 in the ratio 3:2. How much does each get?
- M2.** A bag of sweets is shared between Tom and Jerry in the ratio 4:5. If Tom gets 16 sweets, how many sweets are there in total?
- M3.** The ratio of boys to girls in a class is 3:4. If there are 21 boys, how many girls are there?
- M4.** A sum of money is divided between A, B, and C in the ratio 2:3:4. If B gets £90, what is the total sum?
- M5.** In a mixture, alcohol and water are in the ratio 7:3. If there are 35 litres of alcohol, how much water is there?
- M6.** The angles of a triangle are in the ratio 2:3:4. Find the measures of the angles.
- M7.** A rectangle has length and width in the ratio 5:3. If the perimeter is 48 cm, find the length and width.
- M8.** Three partners invest in a business in the ratio 4:5:6. The total investment is £75,000. How much did each invest?
- M9.** The ratio of the speeds of two cars is 4:5. If the faster car travels 300 km in a certain time, how far does the slower car travel in the same time?
- M10.** A recipe requires flour and sugar in the ratio 3:2. If 450 g of flour is used, how much sugar is needed?