SHARING INTO A RATIO

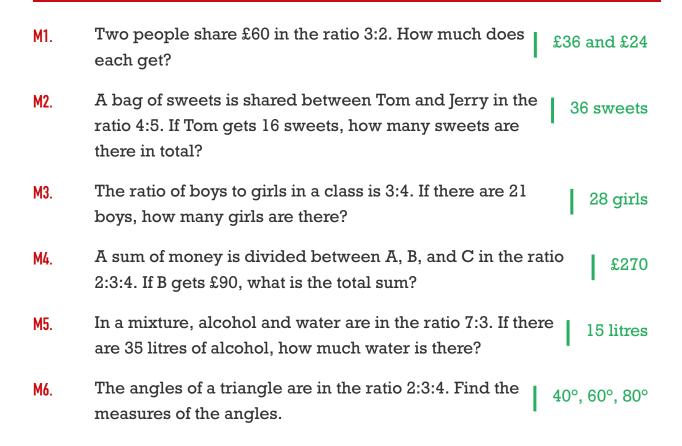
Answer all of these questions. Remember to show your working out in all questions.

MAIN QUESTIONS

| 1. | Share 10 in ratio 5 and 5 | 2. | Share 15 in ratio 10 and 5 2:1 |
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| 3. | Share 20 in ratio 12 and 8 3:2 | 4. | Share 30 in ratio 10 and 20 1:2 |
| 5. | Share 25 in ratio 20 and 5 4:1 | 6. | Share 40 in ratio 15 and 25 3:5 |
| 7. | Share 50 in ratio 20 and 30 2:3 | 8. | Share 60 in ratio 40 and 20 4:2 |
| 9. | Share 30 in ratio 5, 10, 15 1:2:3 | 10. | Share 48 in ratio 16, 24, 8 2:3:1 |
| 11. | Share 100 in 30 and 70 ratio 3:7 | 12. | Share 120 in ratio 5:3 |
| 13. | Share 90 in ratio 40 and 50 4:5 | 14. | Share 24 in ratio 16 and 8 1/2 : 1/4 |
| 15. | Share 36 in ratio 27 and 9 3/4 : 1/4 | 16. | Ratio A:B = 3:2, A=18, find B |
| 17. | Ratio X:Y = 4:5, X=20, 25 find Y | 18. | Ratio P:Q = 7:3, Q=15, 35 find P |
| 19. | Share 100 in ratio 1:2:3 | 20. | Share 120 in ratio 2:3:4 |

| 21. | Share 50 in ratio 25 and 25 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, 40 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



| M7. | A rectangle has length and width in the ratio 5:3. If the perimeter is 48 cm, find the length and width. |
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| 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 300 g |

flour is used, how much sugar is needed?