



- 6). In a sandwich bar 140 ham, 70 egg and 35 chicken sandwiches are sold. Find the ratio of ham to egg to chicken sandwiches sold.
- 7). In a survey of cars 24 were British, 60 Japanese and 48 German. Find the ratio of British to Japanese to German cars.
- 8). In a small wood there are 120 beech trees, 360 conifers and 80 oak trees. Find the ratio of beech trees to conifers to oak trees in the wood.
- 9). Whilst bird watching 84 sparrows, 24 thrushes and 60 seagulls were spotted. Find the ratio of sparrows to thrushes to seagulls spotted on the watch.
- 10). In a school 1200 pupils supported Chelsea, 240 Manchester United and 600 Blackpool. Find the ratio of Chelsea to Manchester United to Blackpool supporters in school.

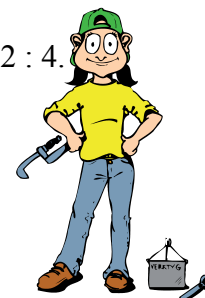


D). Divide

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|---------------------------------|----------------------------------|---------------------------------|
| 1). £10 in the ratio 3 : 2 | 2). £20 in the ratio 4 : 1 | 3). £14 in the ratio 5 : 2 |
| 4). £24 in the ratio 3 : 1 | 5). £18 in the ratio 5 : 1 | 6). £28 in the ratio 4 : 3 |
| 7). £16 in the ratio 5 : 3 | 8). £70 in the ratio 5 : 2 | 9). £45 in the ratio 7 : 2 |
| 10). £90 in the ratio 5 : 4 | 11). £50 in the ratio 7 : 3 | 12). £77 in the ratio 3 : 4 |
| 13). £21 in the ratio 2 : 5 | 14). £40 in the ratio 2 : 3 | 15). £66 in the ratio 6 : 5 |
| 16). £20 in the ratio 2 : 2 : 1 | 17). £12 in the ratio 3 : 2 : 1 | 18). £50 in the ratio 5 : 4 : 1 |
| 19). £30 in the ratio 3 : 2 : 1 | 20). £27 in the ratio 5 : 3 : 1 | 21). £70 in the ratio 6 : 3 : 1 |
| 22). £96 in the ratio 7 : 3 : 2 | 23). £120 in the ratio 5 : 3 : 2 | 24). £84 in the ratio 5 : 4 : 3 |
- 25). £108 in the ratio 5 : 2 : 2.
- 26). A school collected £140 for charity. It was decided to divide the money between Dr. Barnados and the RSPCA in the ratio 4 : 3. How much did each charity receive?
- 27). Pocket money is split between Ian, Joan and Keith in the ratio 2 : 3 : 4. Dad pays out £27. How much does each person get?
- 28). £24 is split between Anne, Bill and Colin in the ratio 3 : 4 : 5. How much does each one receive?
- 29). Mr. Allen, Mr. Book and Mr. Collins own 2, 5, and 7 parts of a business, respectively. The business makes £420 profit in a week. How much does each man get?
- 30). The sides of a triangle are in the ratio 1 : 4 : 5. The perimeter is 25 cm. Find the length of each side of the triangle.

E).

- 1). To make suet you need fat to flour in the ratio 1: 3. Jane has 120 g of flour. How much fat does she need to make the suet?
- 2). One brand of coffee is made from Java beans and Colombian beans in the ratio 2 : 3. 270 g of Colombian beans are used. How much of the other bean is needed?
- 3). Mr. Forest has an orchard of apple and pear trees. The trees are planted in a ratio of 5 : 3 respectively. He has 45 apple trees. How many pear trees are there?
- 4). General purpose concrete is made by mixing cement, sand and aggregate in the ratio 1 : 2 : 4. Lynne needs some concrete to repair a garden wall. She uses 3 buckets of cement. How many buckets of sand and aggregate should she use?
- 5). Money is split between Alex, Beth and Chloe in the ratio 2 : 3 : 7. Beth gets £12. How much do the others get?



Difficult

- 6). During a long-jump competition, Ben, James and Nichola jump 3 m, 4 m and 3.5 m respectively. As a reward the PE teacher pays them in the ratio of the distance they jump. Ben wins 66p. How much do the others win?
- 7). Jenny, Val and Ron go strawberry picking. They get paid by the weight they pick. Jenny picks 12 kg, Val 4.5 kg and Ron 6 kg. Ron is paid £8. How much do the others earn?