

Ratio and Proportion

Exercise

1) Divide 7200 in the ratio 4:5 _____ : _____

2) Divide 8100 in the ratio 2:7 _____ : _____

3) Divide 4800 in the ratio 3:5 _____ : _____

4) Divide 3600 in the ratio 2:4 _____ : _____

5) Divide 7500 in the ratio 2:3 _____ : _____

6) Divide 6300 in the ratio 2:3:4 _____ : _____ : _____

8). Share £640 between Sam, David and John in the ratio 1:3:4
_____ : _____ : _____

9) Divide 1800 in the ratio 1:3:5 _____ : _____ : _____

10) Share £936 between two persons in the ratio 2:7
_____ : _____

11) There are some sweets in a bag. 18 of the sweets are toffees. 12 of the sweets are mints. Write down the ratio of the number of toffees to the number of mints. Give your ratio in its simplest form.
_____ : _____

12) There are some oranges and apples in a box. The total number of oranges and apples is 54. The ratio of the number of oranges to the number of apples is 1 : 5. Work out the number of apples in the box.

13) A piece of wood is 180 cm long. Tom cuts it into three pieces in the ratio 2: 3: 4. Work out the length of the longest piece.

14) There are some apples and oranges in the bag, the ratio of apple 2 : 3, If there are 18 oranges, Work out the number of apples in the bag.

15) In the school the ratio of the boys and girls is 3:2, if there are 20 girls find the number of boys in the school.

Direct proportionality

16. $\frac{2}{3}$ of a tank holds 1800 L, find the total capacity of the tank? _____

17. $\frac{3}{5}$ of a tank holds 1350 L, find the total capacity of the tank? _____

18. $\frac{7}{10}$ of a tank holds 3500 L, find the total capacity of the tank? _____

19. $\frac{5}{8}$ of an amount is £1450, find the total amount? _____

20. $\frac{3}{8}$ of an amount is £4503, find the total amount? _____

How many $\frac{3}{8}$'s make:

21. 60? _____

22. 1200? _____

23. 1180? _____

24. 210 ? _____

25. 300? _____

How many $\frac{2}{7}$'s make:

26. 8? _____

27. 20? _____

28. 130? _____

29. 106? _____

30. 138? _____