



Quick Test - Harder ratio problems

1. In a clothing shop the ratio of hats to ties is $4:3$. The ratio of gloves to hats is $9:1$. Find the ratio of ties to gloves. Give your answer in its simplest form.

2. Alan, Ben and Dora share some marbles.
The amount of marbles Alan gets, to the amount of marbles Ben gets, is in the ratio $7:3$.
The amount Alan gets, to the amount Dora gets, is in the ratio $3:5$.
Given Dora gets 28 more marbles than Alan.
Work out how many marbles Ben gets.



3. There are red marbles, blue marbles and green marbles in a bag.
The ratio of red marbles to marbles that are not red is 3:7
The ratio of green marbles to marbles that are not green is 7:18
Work out the ratio of red marbles to blue marbles to green marbles.
Give your answer in its simplest form.

4. The points A, B, C and D lie in order on a straight line.
 $AB:BD=1:3$ and $AC:CD=7:8$.
Find $AB:BC:CD$