Questions on Ratio And Proportion

Q1. If x : y = 4 : 3, then (7x - 3y) : (7x + 3y) = ?

Q2. A bag contains one-rupee, 50-p and 25-p coins in the ratio 5 : 7 : 12 amounting to Rs. 69. Find the number of coins of each type.

Q3. A mixture contains alcohol and water in the ratio 3 : 2. On adding 5 liters of water in it, the quantities of alcohol and water become equal. Find the quantity of alcohol in the given mixture.

Q4. A sum of Rs. 5200 is divided between A, B, C and D such that
      A's share / B's share = B's share/C's share = C's share / D's share = 2/3 .
   Find A's share.

Answers

Ans1) 19 : 37

Ans2) No. of one-rupee coins = 30
      No. of 50-p coins = 42
      No. of 25-p coins = 72

Ans3) 15 litres

Ans4) Rs. 640