

[06-10-25-T6]

Ratio

[1] The ratio of Al's marbles to Bill's marbles was $2 : 3$. After Al bought 12 more marbles, the ratio became $5 : 6$. How many stamps did Bill have at first?

[2] The ratio of Jill's stamps to Sue's stamps was $3 : 4$. After Jill bought 24 more stamps, the ratio became $5 : 8$. How many stamps did Jill have at first? {If no solution is possible, explain why with bars.}

[3] The ratio of Jill's cards to Sue's cards was $3 : 5$. Sue has 60 cards. If Sue gives 15 cards to Jill, what will be the new ratio of Jill's cards to Sue's?

[4] Abe and Bob had the same amount of money to start with. After Abe spent \$30 and Bob spent \$12, the ratio of Abe's money to Bob's money was $3 : 5$. How much money did each person have at first?

[5] Jan and Pat had the same amount of money to start with. After Jan spent \$28 and Pat spent \$4, Pat had twice as much money as Jan. How much money did each person have at first?