

1. David had 2 bags of marbles. After he had sold 44 marbles from Bag X to his friend, the number of marbles in Bag Y was $\frac{5}{7}$ of the number of marbles in Bag X. Given that there were $\frac{2}{5}$ as many marbles in Bag Y as in Bag X originally, find the number of marbles in Bag X at first.

2. John read a book in 3 days. He read 35% of the total number of pages in the book on the 2nd day. The ratio of the total number of pages of book he read on the 1st and 2nd day to the number of pages he read on the 3rd day was 11:9. If he had read 75 more pages on the 3rd day than on the 1st day, how many pages of the book did he read on the 2nd day ?

3. There are 85 plates of fried noodle for 80 people. Each adult eats 2 plates of fried noodle and every three children share 1 plate of fried noodle. How many adults and children are there?

4. 20 boys and girls sold tickets for a funfair. Each ticket was sold at \$5. Each boy sold 5 tickets and each girl sold 3 tickets. The amount collected by the boys was \$20 more than the amount collected by the girls. Find a) how many girls were there in the group b) how many tickets were sold altogether?

5. Daniel has \$160 more than Alex. After giving $\frac{1}{10}$ of his money to Alex, he now has 3 times as much money than Alex. How much money do they have in the first place?

6. There were some marbles at a shop. The ratio of the number of red marbles to the number of blue marbles was 2:3. When 50 more red marbles and 30 more blue marbles were added, the ratio of the number of red marbles to the number of blue marbles became 5:6. How many marbles were there at first?

7. Susan went shopping with a sum of money. She spent 0.5 of her money plus \$5 on a handbag. She then spent 0.5 of the remaining money plus \$3 on a pair of sunglasses. Finally she spent 0.5 of what was left plus \$2 on an umbrella. She was then left with \$1.50. How much money did she have at first?

8. There are 600 children in Team A and 30% of them are boys.
There are 400 children in Team B and 60% of them are boys.
After some children are transferred from Team B to Team A, 40% of the children in Team A and 60% of the children in Team B are boys.
How many children are transferred from Team B to Team A?

9. Packets of assorted candies were sold in 2 different sizes - standard and large. The large packet contained twice as many candies as the standard packet. In the standard packet, the ratio of the number of coconut candies to the number of strawberry candies were 4:5. In the large packet, the ratio of the number of coconut candies to the number of strawberry candies to the number of toffee candies was 1: 2: 3.

A family bought 1 standard and 1 large packet.

(a) What was the ratio of the number of coconut candies to the number of strawberry candies to the number of toffee candies?

(b) The family ate 21 candies. As a result, the ratio of the number of coconut candies to the number of strawberry candies to the number of toffee candies became 2: 3: 3. How many candies were left?

10. Mrs Tan has some pencils. If she packs them into bundles of 5 pencils in each bundles, she will have 4 extra pencils. If she packs them into bundles of 9 pencils in each bundles, she will need 7 more pencils. How many pencils are there?