

1. There were 2 identical flights of steps. For the first flights of steps, Gita walked up some steps and ran 4 steps and took a total of 75 seconds. For the second flight of steps, she walked up some steps and ran 11 steps and took a total of 40 seconds. how long will Gita take if she had walked up both flight of steps? Leave your answer in seconds.

2. Bobby, Edward and Kelvin made a bottle of paper stars. The number of paper stars Bobby made was 21 more than  $\frac{1}{4}$  the total number of paper stars in the bottle. The number of paper stars Edward made was 30 more than  $\frac{1}{4}$  of the remaining number of paper stars in the bottle. Kelvin made the remaining 114 paper stars. How many paper stars did they make in all?

3. A, B and C are three numbers. The average of B and C is 5 greater than the average of A and B. If C is 38, find the total of A, B and C.

4. The ratio of \$2 notes to 50-cent coins in Mabel's piggy bank was 13:8. She exchanged 24 pieces of \$2 notes for some 50-cent coins, after which, the ratio of \$2 notes to 50-cent coins became 1:8. What was the total value of \$2 notes and 50-cent coins in the piggy bank at first?

5. The ratio of \$5 notes to 20-cent coins in Mr. Tan's counter was 19:5. Mr. Tan exchanged 15 of his \$5 notes for some 20-cent coins. The ratio of the \$5 notes to 20-cent coins then became 1:5. What was the total value of \$5 notes and 20-cent coins at first?

6. A box contained 50-cent coins and 20-cent coins in the ratio of 2:3. Paul took out four 50-cent coins, exchanged them for 20-cents and put the money back into the box. The ratio then became 2:7. Find the sum of money in the box at first.

7. Three girls, Anna, Beatrice and Calista shared a roll of ribbons. Anna's share was  $\frac{1}{4}$  of the total length of Beatrice's and Calista's ribbon. Beatrice's share was  $\frac{2}{3}$  of the total length of Anna's and Calista's ribbon. If Anna's share of ribbons is 45 cm less than Beatrice's share, what is the total length of the roll of ribbons?

8. Evan and Lionel had a total of 72 marbles. Evan gave  $\frac{1}{3}$  of his marbles to Lionel. Lionel then gave  $\frac{2}{5}$  of the total number of marbles he had to Evan. In the end, each of them had the same number of marbles. How many marbles did Lionel have at first?

9. Four boys, Alex, Bryan, Calvin and Derrick, each have some stamps. The number of stamps Alex has is  $\frac{1}{2}$  of the total number of stamps Bryan, Calvin and Derrick have. The number of stamps Bryan has is  $\frac{1}{3}$  of the total number of stamps Alex, Calvin and Derrick have. The number of stamps Calvin has is  $\frac{1}{4}$  of the total number of stamps Alex, Bryan and Derrick have. If Derrick has 78 stamps, find the total number of stamps Alex and Bryan have altogether.

10. Tom's monthly allowance is \$42 more than Eric's. Eric spends \$54 more than Tom every month. Eric's savings is  $\frac{1}{2}$  of Tom's savings. If Tom spends  $\frac{3}{7}$  of his allowance every month, what is his allowance for the entire year?