

[17-10-15-6B]

## PRACTICE 6D

1. Emma had \$50. Jane had \$10 more than Emma. What was the ratio of Emma's money to Jane's money?
2. The ratio of the number of girls to the number of boys in an art club is 3 : 5. If there are 18 girls, how many children are there altogether?
3. Peter and Salim shared 360 stamps in the ratio 7 : 5. How many more stamps did Peter receive than Salim?
4. The ratio of the weight of Package A to the weight of Package B to the weight of Package C is 6 : 5 : 3. If Package B weighs 420 g, find the total weight of the three packages.
5. The perimeter of a triangle is 60 cm. If the sides of the triangle are in the ratio 4 : 3 : 5, find the length of the shortest side.
6. Mary, Sally and Rosa shared a sum of money in the ratio 4 : 2 : 5. If Mary received \$15 more than Sally, how much money did Rosa receive?
7. The ratio of the number of John's stamps to the number of Peter's stamps is 5 : 8. Peter has 18 more stamps than John. If Peter gives 22 stamps to John, what will be the new ratio of the number of John's stamps to Peter's?
8. The ratio of the number of men to the number of women in a factory is 3 : 8. There are 120 more women than men. If the number of men increases by 3 and the number of women decreases by 12, what will be the new ratio of the number of men to the number of women?
9. Pat's money is  $\frac{2}{5}$  of Betty's money. If Betty gives  $\frac{1}{2}$  of her money to Pat, what will be the ratio of Pat's money to Betty's money?
10. After Ian gave  $\frac{1}{4}$  of his money to Juan, Juan had twice as much money as Ian. What was the ratio of Ian's money to Juan's money at first?

## PRACTICE 6E

- $\frac{1}{3}$  of Carol's age is twice as much as Mary's age. What is the ratio of Carol's age to Mary's age?
- $\frac{1}{4}$  of Kara's weight is equal to  $\frac{2}{5}$  of Holly's weight. Find the ratio of Kara's weight to Holly's weight.
- John has \$28 more than Peter.  $\frac{1}{3}$  of John's money is equal to  $\frac{4}{5}$  of Peter's money. Find John's money.
- The ratio of the number of boys to the number of girls in a school choir is 2 : 3.  $\frac{1}{4}$  of the boys and  $\frac{1}{2}$  of the girls wear glasses. If there are 48 students who wear glasses, how many students are there in the choir?
- The ratio of Andrew's money to Paul's money was 5 : 2 at first. After Andrew gave \$30 to Paul, they had an equal amount of money each. How much money did they have altogether?
- The ratio of the amount of water in a jar to the amount of water in a bottle was 5 : 6. After  $\frac{1}{2}$  of the water in the jar was poured into the bottle, the bottle contained 850 ml of water. How much water was there in the bottle at first?
- The ratio of the number of Jason's stamps to the number of Ashley's stamps is 5 : 2. Jason has 42 more stamps than Ashley. How many stamps should Jason give to Ashley so that the ratio of the number of Jason's stamps to the number of Ashley's stamps will be 3 : 4?
- John had \$200 and David had \$180. After they each spent an equal amount of money, the ratio of John's money to David's money was 3 : 2. How much did each of them spend?
- The ratio of Jason's money to Molly's money was 4 : 1. After Jason spent \$26, Jason had \$2 less than Molly. How much money did Jason have at first?