

Name: \_\_\_\_\_  
Date Started: \_\_\_\_\_ Date Completed: \_\_\_\_\_ Score: \_\_\_\_\_

**Learning Activity Sheet**  
Solving Problems Involving Partitive Proportion

**Answer the following problems**

1. Ann, Bianca, and Kenneth shared 243 marbles in the ratio 2 : 3 : 4. How many did each person receive?
  
  
  
  
  
  
  
  
  
  
2. Four businessmen will share a profit of ₱250,000 in the ratio of 2 : 2 : 3 : 3. How much will be the largest amount received?
  
  
  
  
  
  
  
  
  
  
3. The ratio of mango trees to avocado trees to guava trees is 5 : 4 : 3. If there are 1,176 trees in the orchard, how many mango trees are there?
  
  
  
  
  
  
  
  
  
  
4. Three numbers are in the ratio 3 : 4 : 7. What is the largest number if the sum of the numbers is 322?
  
  
  
  
  
  
  
  
  
  
5. Joyce allots a ratio of 2 : 3 : 1 for sleeping, working, and playing in a day. How many hours of sleep did she allot for herself?

6. Your local library plans to donate 120 books to five children in the community. The books will be divided in the ratio  $2 : 3 : 4 : 5 : 6$ . What is the least number of books that will be donated to a child?

7. The ratio of votes of three candidates in an election is  $1 : 4 : 6$ . If the total number of votes is 2,915, how many votes did the winner get?

8. The sum of ₱500,000 is divided among three siblings in a ratio of  $2 : 3 : 5$ . How much is the biggest share?

9. The ratio of apple trees to orange trees to guava trees is  $3 : 2 : 1$ . If there are 6000 trees in the orchard, how many mango trees are there?

10. Five businessmen will share a profit of ₱560,000 in the ratio of  $2 : 2 : 3 : 3 : 4$ . How much will be the largest amount received?