➢ Refer the unit 21 of the text book.

➢ Refer the page number 91 to 93   :   Ratios and equivalent ratios.

➢ Refer the page number 94 to 96   :   Dividing in a ratio.

➢ Study the solved examples of the lesson.

➢ Answer the following questions.

01   Write a equivalent ratio for each ratio given below.

   i   3:2   ii   4:3   iii   5:2   iv   7:4   v   11:3

02.   Fill in the blanks of each equivalent ratios.

   i   3:5 = 12:…   ii   4:7 = …:21   iii   5:… = 20:12   iv   …:4 = 54:24

03.   Express each of the following ratios in simplest form.

   i   20:12   ii   15:12   iii   12:24:30   iv   18:36:45

04.   Write down the ratio for each of the following examples and express it in the simplest form.
   i   The number of girls in a class is 24 and the number of boys is 30.
   ii   There are 18 motor bikes and 15 cars in a park.
   iii   The price of a book is Rs.35 and price of a pen is Rs.14.
   iv   A fruit drink is prepared by mixing 1l of water and 200ml of fruit juice.
   v   The number of students in science scheme is 24,the number of students in commerce scheme is 36 and the number of students in art scheme is 20.
   vi   The price of a shirt is Rs.800,the price of a trouser is Rs.1200 and the price of a frock is Rs.800.
   vii   Aluwa is made by mixing 1kg of flour , 500 g of sugar and 500 g of gingelly.

05.   Rs. 4000 was divided between Chaminda and Eranda in the ratio 5 : 3.Find the amount of money each recieved.

06.   The ratio of number of boys to girls in the grade 7 A is 3:4.If the total number of students in the class 42 , find the number of girls and boys in the class.

07.   The ratio of side length of a triangle is 3:5:7.If the perimeter of the triangle is 60 cm , find the length the of smallest side.

08.   There are only clerks , labourers and managers in a office.The ratio between them is 4:9:2 respectively.If the total number of employees are 105 , find the number of labourers.

09   The ratio of ages between doughter , son and mother is 2:3:8.The sum of three ages is 52.Find the ages of each one.

10   The ratio of number of students participated for the scholarship exam , ordinary level exam , and advanced level exam is 8:7:5.If the total number of students participated for the exam is 100 , find the number of participants for the ordinary level exam.