



Department of Education, Sabaragamuwa Province – Weekly School

Grade: 6

Subject: - Mathematics

Week : 21

Unit : – Ratio

No. of Periods : – 06

Read the lesson Ratio in your text book in the page number 114. Using that,

- 1) Explain what is ratio ?
- 2) What are the features that should be considered when writing a ratio?

The ratio one is to six can be written as 1 : 6 and in this 1 and 6 are first term and second term respectively.

Complete the following table.

Ratio	Terms of a ratio	Reading method
2 : 3	2 , 3	Two to three
2 : 5		
7 : 2		
5 : 9		
3 : 7		
1 : 6		
11 : 3		

Do the exercise 21.1 in the page number 118 in your text book

Finding equivalent ratio for a ratio

A ratio equivalent to a given ratio can be obtained by multiplying each term of the ratio by the same number (greater than zero).

Example :- (1) $2 : 3 = 2 \times 2 : 3 \times 2 = 4 : 6$

(2) $18 : 9 = 18 \div 3 : 9 \div 3 = 6 : 3$

❖ Select the equivalent ratio from A and B and match them.

1)

A	B
3 : 7	4 : 10
2 : 5	9 : 21
1 : 2	12 : 16
3 : 4	5 : 10
7 : 2	21 : 6

2)

A	B
9 : 3	3 : 2
18 : 12	2 : 1
14 : 10	3 : 1
36 : 18	8 : 1
16 : 2	7 : 5

Writing a ratio in its simplest form

To write in its simplest form , keep dividing both sides of the ratio by the same number until you can't go any further without going into decimals

Example :- $30 : 20 = 30 \div 2 : 20 \div 2$
 $= 15 : 10$
 $= 15 \div 5 : 10 \div 5$
 $= 3 : 2$

$30 : 20 = 30 \div 10 : 20 \div 10$
 $= 3 : 2$

Do the exercise 21.2 in the page number 122 in your text book

Rate

Try to understand the lesson 'Rate' in your text book given in the page number 123. Using that,

- 1) Explain what is rate?
- 2) Write the qualities of rate and ratio?
- 3) Give 4 examples in which rate is used ?

Do the exercise 21.3 in the page number 125 in your text book given.