



Department of Education, Sabaragamuwa Province – Weekly School

Subject : - Mathematics

Week : 4

Grade : 6

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### Unit :- Ratio

No. of Periods : - 6

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.