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Province: weekly School Department of Education, St Definition of Department of Education, St	AbaragamuwaProvin e/ Weekly School Department of Educat Prepared by – Mr. Siraj - Recourse person (M. Mawanella Zone	laths)

## 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

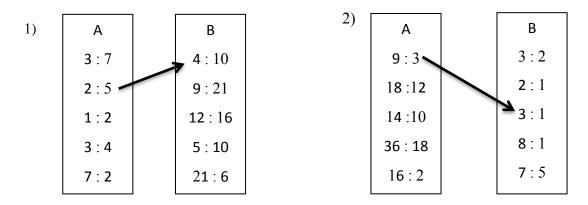
## Finding equivalent ratio for a ratio

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)  $2: 3 = 2 \times 2: 3 \times 2 = 2:6$ 

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

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



## 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 ÷ 5 : 10 ÷ 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

## <u>Rate</u>

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.