

Unitary Method



The method to find out the value of one unit (item) which in turn used to find the value of required number of units is called a unitary method.

Steps to be followed:

Step 1: Express the given data in a Mathematical statement such that the quantity which is to be found comes at the end of the statement.

Step 2: Determine the quantity corresponding to the required number of units.



Let us understand with the following examples:

Example 1: 5 persons can finish a certain work in 4 days. How many persons are needed to finish it in 2 days?



Solution: No. of person required to finish a work in 4 days = 5

No. of person required to finish a work in 1 days = 5×4

No. of person required to finish a work in 2 days = $\frac{5 \times 4}{2} = 10$

Example 2: The mass of 5 bags of cement is 250 Kg. What is the mass of 90 bags of cement?



Solution: Mass of 5 bags = 250 Kg

Mass of 1 bag = $250/5$ Kg

Mass of 90 bags = $\frac{250}{5} \times 90 = 4500$ Kg.