

UNITARY METHOD

The method in which the value of a unit is first found is called the Unitary Method. Therefore, in solving any question by this method the value of 1 unit is found and then the value of those units is found which is to be found.

- 1- The term in which the answer is to be calculated, is always put to the right hand side.
- 2- The term to the right hand side is never put in the denominator.
- 3- If on reducing to the unit, a smaller result is expected, then the right hand term is divided by the left hand term.
- 4- If on reducing to the unit, a greater result is expected, then the right hand term is multiplied by the left hand term.

Some Unsolved Examples -

Examples 1- The price of one dozen pens is Rs. 540. What will be the price of 319 such pens ?

Examples 2- A chair costs Rs. 341 and a table costs Rs. 852. What will be the approximate cost of 5 dozens of chairs and 4 dozens of tables ?

Examples 3- A tank can be filled by 20 buckets each of capacity 13.5 litre. If the capacity of each bucket be 9 litre, how many bucket will fill the same tank ?

Examples 4- If 4 men or 7 women do a work in 60 days, in how many days will 8 men and 7 women finish the same work ?

EXERCISE

1. If the weight of 13 metre long rod is 23.4 kg, what is the weight of 6 metre long rod ?

(a) 7.2 kg	(b) 10.8 kg
(c) 12.4 kg	(d) 18.0 kg
(e) None of these	

2. If the cost of three dozens mangoes is Rs. 245, what will be the approximate cost of 353 mangoes ?
- (a) Rs. 2,200 (b) Rs. 2,000
(c) Rs. 2,400 (d) Rs. 2,600
(e) None of these
3. If the cost of $\frac{1}{4}$ th of kg is Rs. 0.60, then what is the cost of 200 gm.
- (a) 42 paise (b) 48 paise
(c) 40 paise (d) 50 paise
(e) None of these
4. The cost of 2 tables is equal to the cost of 5 chairs. If the difference of the cost of one table and one chair is Rs. 1,200, then the cost of one chair is ?
- (a) Rs. 500 (b) Rs. 400
(c) Rs. 800 (d) Rs. 600
(e) None of these
5. When a 192 metre long rod is cut down into small pieces of length 3.2 metre each. Then how many pieces are available ?
- (a) 52 (b) 68
(c) 62 (d) 58
(e) None of these
6. 357 mangoes cost Rs. 1517.25, then what is the cost of 49 dozen of mangoes ?
- (a) Rs. 2,500 (b) Rs. 2,600
(c) Rs. 3,000 (d) Rs. 2,200
(e) None of these
7. Cost of 7000 bricks is Rs. 5740. Cost of luggage to carry the bricks to the building place is Rs. 805. What is the cost at per thousand bricks ?

- (a) Rs. 900 (b) Rs. 800
(c) Rs. 935 (d) Rs. 750
(e) None of these

8. Five dozen toys are packed in a box and 98 boxes are kept in one tempo.

How many tempos can lift 2,9400 toys in one round ?

- (a) 4 (b) 5
(c) 7 (d) 6
(e) None of these

9- Cost of $\frac{1}{4}$ th dozen of bananas is Rs. 2.38, then what is the approximate cost of 42 dozen of bananas ?

- (a) Rs. 430 (b) Rs. 540
(c) Rs. 380 (d) Rs. 400
(e) None of these

10- Cost of 1 chair is Rs. 214 and cost of one table, is Rs. 937, then what is the approximate cost of 6 dozen chairs and 4 dozen tables ?

- (a) Rs. 60,000 (b) 58,000
(c) 55,000 (d) 62,000
(e) None of these

Answer Key

- | | |
|------|-------|
| 1. b | 6. a |
| 2. c | 7. c |
| 3. b | 8. b |
| 4. c | 9. d |
| 5. e | 10. a |

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