

Unitary method

A. Choose the correct answer:

1. If 5 pencils cost Rs. 25, what is the cost of 1 pencil?

- a) Rs. 4
- b) Rs. 5
- c) Rs. 6
- d) Rs. 7

2. If the cost of 1 book is Rs. 120, the cost of 4 books is

- a) Rs. 400
- b) Rs. 460
- c) Rs. 480
- d) Rs. 500

3. If 8 apples weigh 2 kg, what is the weight of 1 apple?

- a) $\frac{1}{2}$ kg
- b) $\frac{1}{4}$ kg
- c) $\frac{1}{8}$ kg
- d) 2 kg

4. The time taken to complete 1 job is 4 hours. The time taken to complete 3 such jobs is

- a) 10 hours
- b) 12 hours
- c) 16 hours
- d) 8 hours

5. If 6 notebooks cost Rs. 90, then 10 notebooks will cost

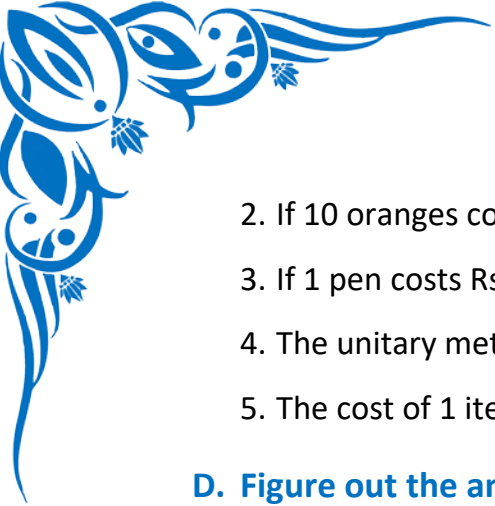
- a) Rs. 140
- b) Rs. 130
- c) Rs. 150
- d) Rs. 160

B. Write the Missing Terms to Complete the Sentences:

1. The unitary method involves finding the value of _____ unit.
2. If 3 pens cost Rs. 45, then 1 pen costs Rs. _____.
3. If 1 bottle costs Rs. 15, then 4 bottles cost Rs. _____.
4. If 5 metres of cloth costs Rs. 250, then 1 metre costs Rs. _____.
5. If 12 chocolates cost Rs. 60, then each chocolate costs Rs. _____.

C. Mark each sentence with a True (✓) or False (X):

1. Unitary method helps in finding the value of one unit from many units.



2. If 10 oranges cost Rs. 50, then 1 orange costs Rs. 6. _____
3. If 1 pen costs Rs. 10, then 5 pens cost Rs. 50. _____
4. The unitary method cannot be used for time and distance problems. _____
5. The cost of 1 item is always more than the cost of multiple items. _____

D. Figure out the answers to these questions:

1. The cost of 7 chairs is Rs. 2100. Find the cost of 1 chair and then 5 chairs.
2. A car covers 240 km in 4 hours. How much distance will it cover in 1 hour and in 7 hours?
3. A worker earns Rs. 1200 for 8 days. Find the earning per day and for 15 days.
4. If 1 litre of milk costs Rs. 52.50, find the cost of 4.5 litres of milk.
5. A train travels 180 km in 3 hours. How far will it travel in 1.5 hours?

E. Challenge yourself with these questions:

1. A dozen bananas cost Rs. 60. Find the cost of 7 bananas.
2. A bike consumes 4 litres of petrol in 60 km. How much petrol will be used for 150 km?
3. If 9 kg of sugar costs Rs. 315, find the cost of 4 kg of sugar.
4. A packet of rice weighing 5 kg costs Rs. 375. What is the cost per kg?
5. If a typist types 720 words in 6 minutes, how many words can be typed in 10 minutes?