

# Trigonometry Questions Overview

Trigonometry Questions have a good weightage in the Banking Exam and the type of question asked in Banking exam is similar to the question mentioned below. It has been solved and explained by Gargi.ai Experts and they have tried to elaborate the concept used in Trigonometry Questions.

## Question

A shopkeeper marked his article 50% above the cost price and gives a discount of 20% on it. If he had marked his article 75% above the cost price and gives a discount of 20% on it then find the earlier profit is what percent of the profit earned latter?

Difficulty : Moderate

Average Time : 36 Seconds

Options :

1. 50%
2. 60%
3.  $33\frac{1}{3}\%$
4. 40%
5. 75%

## Solution

The correct answer is **option 1** i.e. **50 %**

Let the CP be Rs.  $100x$

Then, MP = Rs.  $150x$

SP =  $150x \times (80/100)$  = Rs.  $120x$

Profits = Rs.  $20x$

New MP = Rs.  $175x$

New SP =  $175x \times (80/100)$  = Rs.  $140x$

New Profit = Rs.  $40x$

Required % =  $(20)/(40) \times 100 = 50\%$

