

# Mathematics Scenario Questions and Responses

## Scenario Question 1

A shopkeeper buys 20 books at UGX 5,000 each and sells each at UGX 7,000. Find the profit.

## Response

Cost price =  $20 \times 5,000 = \text{UGX } 100,000$ . Selling price =  $20 \times 7,000 = \text{UGX } 140,000$ . Profit = UGX 40,000.

## Scenario Question 2

A farmer has a rectangular garden of length 12 m and width 8 m. Find the area.

## Response

Area = length  $\times$  width =  $12 \times 8 = 96 \text{ m}^2$ .

### **Scenario Question 3**

A car travels 180 km in 3 hours. Find the average speed.

### **Response**

Speed = Distance  $\div$  Time =  $180 \div 3 = 60$  km/h.

### **Scenario Question 4**

A student scored 75, 80, 90, and 85 in four tests. Find the average score.

### **Response**

Average =  $(75 + 80 + 90 + 85) \div 4 = 82.5$ .

### **Scenario Question 5**

A shopkeeper buys 20 books at UGX 5,000 each and sells each at UGX 7,000. Find the profit.

### **Response**

Cost price =  $20 \times 5,000 = \text{UGX } 100,000$ . Selling price =  $20 \times 7,000 = \text{UGX } 140,000$ . Profit = UGX 40,000.

### **Scenario Question 6**

A farmer has a rectangular garden of length 12 m and width 8 m. Find the area.

### **Response**

Area = length  $\times$  width =  $12 \times 8 = 96 \text{ m}^2$ .

## Scenario Question 7

A car travels 180 km in 3 hours. Find the average speed.

## Response

Speed = Distance  $\div$  Time =  $180 \div 3 = 60$  km/h.

### **Scenario Question 8**

A student scored 75, 80, 90, and 85 in four tests. Find the average score.

### **Response**

Average =  $(75 + 80 + 90 + 85) \div 4 = 82.5$ .

### **Scenario Question 9**

A shopkeeper buys 20 books at UGX 5,000 each and sells each at UGX 7,000. Find the profit.

### **Response**

Cost price =  $20 \times 5,000 = \text{UGX } 100,000$ . Selling price =  $20 \times 7,000 = \text{UGX } 140,000$ . Profit = UGX 40,000.

### **Scenario Question 10**

A farmer has a rectangular garden of length 12 m and width 8 m. Find the area.

### **Response**

Area = length  $\times$  width =  $12 \times 8 = 96 \text{ m}^2$ .

### **Scenario Question 11**

A car travels 180 km in 3 hours. Find the average speed.

### **Response**

Speed = Distance  $\div$  Time =  $180 \div 3 = 60$  km/h.

## Scenario Question 12

A student scored 75, 80, 90, and 85 in four tests. Find the average score.

### Response

Average =  $(75 + 80 + 90 + 85) \div 4 = 82.5$ .

### Scenario Question 13

A shopkeeper buys 20 books at UGX 5,000 each and sells each at UGX 7,000. Find the profit.

### Response

Cost price =  $20 \times 5,000 = \text{UGX } 100,000$ . Selling price =  $20 \times 7,000 = \text{UGX } 140,000$ . Profit = UGX 40,000.

### **Scenario Question 14**

A farmer has a rectangular garden of length 12 m and width 8 m. Find the area.

### **Response**

Area = length  $\times$  width =  $12 \times 8 = 96 \text{ m}^2$ .

### **Scenario Question 15**

A car travels 180 km in 3 hours. Find the average speed.

### **Response**

Speed = Distance  $\div$  Time =  $180 \div 3 = 60$  km/h.

### **Scenario Question 16**

A student scored 75, 80, 90, and 85 in four tests. Find the average score.

### **Response**

Average =  $(75 + 80 + 90 + 85) \div 4 = 82.5$ .

### **Scenario Question 17**

A shopkeeper buys 20 books at UGX 5,000 each and sells each at UGX 7,000. Find the profit.

### **Response**

Cost price =  $20 \times 5,000 = \text{UGX } 100,000$ . Selling price =  $20 \times 7,000 = \text{UGX } 140,000$ . Profit = UGX 40,000.

### **Scenario Question 18**

A farmer has a rectangular garden of length 12 m and width 8 m. Find the area.

### **Response**

Area = length  $\times$  width =  $12 \times 8 = 96 \text{ m}^2$ .

### **Scenario Question 19**

A car travels 180 km in 3 hours. Find the average speed.

### **Response**

Speed = Distance  $\div$  Time =  $180 \div 3 = 60$  km/h.

## Scenario Question 20

A student scored 75, 80, 90, and 85 in four tests. Find the average score.

## Response

Average =  $(75 + 80 + 90 + 85) \div 4 = 82.5$ .