

**Reflection**

# **SOCIAL ARITHMETIC**

- 1 Purchase Price, Sales Price, Profit and Loss
- 2 Profit and Loss Percentage
- 3 Discounts and Rebates
- 4 Gross, Net, and Tare
- 5 Interest, Savings and Taxes



**NAME :**

**CLASS :**

# Purchase Price, Sales Price, Profit and Loss

## 1. Solve Problem

Purchasing Rp50.000 per dozen, sold at a price of Rp5.000 per piece in this situation then ..

Answer :

## 2. Solve Problem

Purchase Rp100.000 per gross. Profit Rp200 per piece of total quantity sales are..

Answer :



## KEY WORDS

|                             |                |
|-----------------------------|----------------|
| Purchase Price/Buying Price | • (Harga Beli) |
| Selling Price               | • (Harga Jual) |
| Profit/Gain                 | • (Keuntungan) |
| Loss                        | • (Rugi)       |

## PROFIT/GAIN

**Selling price > Purchase Price**

- Profit = Selling Price – Purchase Price
- Purchase Price = Selling Price – Profit
- Selling Price = Purchase Price + Profit

## LOSS

**Purchase Price > Selling price**

- Loss = Purchase Price - Selling Price
- Selling Price = Purchase Price – Loss
- Purchase Price = Selling Price + Loss

# Profit and Loss Percentage

## PROFIT/GAIN

Selling price > Purchase Price

$$\text{Profit Percentage} = \frac{\text{Profit}}{\text{Purchase Price}} \times 100\%$$

$$\text{Purchase price} = \frac{1}{100\% + \text{profit}} \times \text{Selling price}$$

$$\text{Purchase price} = \frac{1}{100\% - \text{loss}} \times \text{Selling price}$$

## LOSS

Selling Price < Purchase price

$$\text{Loss Percentage} = \frac{\text{Loss}}{\text{Purchase Price}} \times 100\%$$

$$\text{Selling price} = (100\% - \text{loss}) \times \text{purchase price}$$

$$\text{Selling price} = (100\% + \text{Profit}) \times \text{purchase price}$$

### 3. Solve Problem

Mr.Dirga bought a bicycle at a price of Rp125.000. It sold again at price of Rp145.000. Determine the percentage of profit?

ANSWER :

### 4. Solve Problem

At item is purchased at a price of Rp30.000. The item was sold again at a piece of Rp27.000. Determine the percentage of loss?

ANSWER :

### 5. Solve Problem

A television was purchase for Rp750.000. Determine the selling price of television if you want to get a profit of 15%?

ANSWER :

# Discount AND REBATE

*Discount or Rebate = percentage discount or rebate x written price*

So, the money to be paid is

*Price paid = First price – discount or rebate*

$$\text{First Price} = \frac{\text{Pay Price}}{(100\% - \text{Discount}) : 100\%}$$

## 6. solve problem

### 20% OFF

Ando bought a shirt for Rp24.000. He got 20% discount. So, Andi must pay?



DISCOUNT  
20% OFF

## 7. Solve Problem

### 25% OFF

Reza bought a novel at a book fair. If Reza gets a discount of 25% and the money paid is Rp36.000, then the price of the book before being given a discount is..



DISCOUNT  
25% OFF

## 8. Solve Problem

Fira bought a shirt for Rp75.000 and trousers for Rp110.000. If he gets a discount of 20% for shirts and 25% for trousers, then the total money that Fira has to pay is...





# Gross, Net, and Tare



## 9. Solve Problem

If gross weight is 1.200 gr and tare 2,5% of gross, then the net weight is..

ANSWER :

## 10. Solve Problem

If the gross weight is 2.000 kg and the net weights it 1.750 kg, then tare weight is..

ANSWER :

## 11. Solve Problem

The selling price of one bag of rice is Rp585.000. On the bag is written gross 60 kg , and tare 2,5% then, the selling price of 1 kg of rice is..

ANSWER :



You can call me  
"NETTO"

+



You can call me  
"TARE"

=



You can call me  
"GROSS"

# INTEREST, SAVINGS AND

## *Taxes*

### 12. Solve Problem

A bank provides savings interest of 15% per year. Mother saved Rp500.000 for months. The amount of interest obtained by Mom is...

ANSWER :

### 13. Solve Problem

Mr. Ali has saved Rp150.000. After a year Mr.Ali's savings have become Rp200.000. The interest that Pak Ali received was..

ANSWER :

### 14. Solve Problem

Dika saves Rp1.000.000 at a 15% interest a year. The amount of Dika's money after 4 months is...

ANSWER :

