

MONDAY, 2020

Math : Grade 5 : Exercise 2C

1. Find the selling price or cost price of each of these products with the help of a model.

a. Terracota pot from west bengal.

Cost price = Rs 315

Loss = Rs 38

Selling Price=?

here, given Loss and cost price

We know that, $\text{Loss} = \text{Cost Price} - \text{Selling Price}$

here, we have to find Selling Price

hence $\text{Selling Price} = \text{Cost Price} - \text{Loss}$

lets substitute the given values

$\text{Selling Price} = \text{Rs } 315 - \text{Rs } 38$

$= \text{Rs } 277$

b. Stool from Punjab.

Selling Price = Rs 690

Loss = Rs 57

Cost Price = ?

$\text{Cost Price} = \text{Loss} + \text{Selling Price}$

$$\begin{aligned}\text{Cost Price} &= \text{Rs } 57 + \text{Rs } 690 \\ &= \text{Rs } 747\end{aligned}$$

c. Shawl from Nagaland.

$$\text{Selling Price} = \text{Rs } 1,560$$

$$\text{Loss} = \text{Rs } 350$$

$$\text{Cost Price} = ?$$

$$\text{Cost Price} = \text{Loss} + \text{Selling Price}$$

$$\begin{aligned}\text{Cost Price} &= \text{Rs } 350 + \text{Rs } 1,560 \\ &= \text{Rs } 1,910\end{aligned}$$

d. Kanjeevaram saree from Tamil Nadu.

$$\text{Cost Price} = \text{Rs } 7,880$$

$$\text{Profit} = \text{Rs } 1,090$$

$$\text{Selling Price} = ?$$

$$\text{Profit} = \text{Selling Price} - \text{Cost Price}$$

$$\begin{aligned}\text{Selling Price} &= \text{Profit} + \text{Cost Price} \\ &= \text{Rs } 1,090 + \text{Rs } 7,880 \\ &= \text{Rs } 8,970\end{aligned}$$

2. Complete the table.

Selling Price

Profit

Loss

Cost Price

a

Rs 2,385

Rs 195

-

$Rs\ 2,385 - Rs\ 195 = Rs\ 2,190$

b

Rs 1,900

-

Rs 628

$Rs\ 1,900 + Rs\ 628 = Rs\ 2,528$

c

Rs 8,630

-

Rs 1,020

$Rs\ 8,630 + Rs\ 1,020 = Rs\ 9,650$

d

Rs 74,365

Rs 2,315

-

$Rs\ 74,365 - Rs\ 2,315 = Rs\ 72,050$

Note : Cost Price = Loss + Selling Price , Cost Price = Selling Price - Profit.

3. Complete the table.

Cost Price

Profit

Loss

Selling Price

a

Rs 1,095

-

Rs 89

$Rs\ 1,095 - Rs\ 89 = Rs\ 1,006$

b

Rs 3,586

Rs 369

-

$Rs\ 3,586 + Rs\ 369 = Rs\ 3,955$

c

Rs 9,980

-

Rs 3551

$$\text{Rs } 9,980 - \text{Rs } 3551 = \text{Rs } 6,429$$

d

$$\text{Rs } 15,381$$

$$\text{Rs } 1,395$$

-

$$\text{Rs } 15,381 + \text{Rs } 1,395 = \text{Rs } 16,776$$

Note : Selling Price = Cost Price + Profit , Selling Price = Cost Price - Loss.

4. Solve

a. Rashid incurred a loss of Rs 590 on a chair he sold at Rs 1,280. What was the cost price of the chair?

Given, Loss = Rs 590 and selling price = Rs 1,280

Cost Price = Selling Price + Loss

$$= \text{Rs } 1,280 + \text{Rs } 590$$

$$= \text{Rs } 1,870$$

b. Ali made a profit of Rs 3,200 on a sofa set he bought for Rs 15,290. At what price did he sell it?

Given, Profit = Rs 3,200 and cost price = Rs 15,290

Selling Price = Cost Price + Profit

$$= \text{Rs } 15,290 + \text{Rs } 3,200$$

$$= \text{Rs } 18,490$$

c. A dozen books are sold at Rs 1,648 at a profit of Rs 120. What is the cost price of the books?

Given, profit = Rs 120 and Selling Price = Rs 1,648

Cost Price = Selling Price - Profit

= Rs 1,648 - Rs 120

= Rs 1,528

ezhil K at 22:41

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