

Maharashtra Board Solutions Class 6-Maths

(Practice Set 33): Chapter 13- Profit-Loss



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Maharashtra Board Solutions Class 6-Maths

(Practice Set 33): Chapter 13- Profit-Loss

Class 6: Maths Chapter 13 solutions. Complete Class 6 Maths Chapter 13 Notes.

Maharashtra Board Solutions Class 6-Maths (Practice Set 33): Chapter 13- Profit-Loss

Maharashtra Board 6th Maths Chapter 13, Class 6 Maths Chapter 13 solutions

Question 1.

Maganlal bought trousers for Rs 400 and a shirt for Rs 200 and sold them for Rs 448 and Rs 250 respectively. Which of these transactions was more profitable?

Solution:

Cost price of trousers = Rs 400

Selling price of trousers = Rs 448

Profit = Selling price – Cost price

= 448 – 400 = Rs 48

Let Maganlal make x % profit on selling trousers

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$$\therefore \frac{x}{100} = \frac{48}{400}$$

$$\therefore \frac{x}{100} \times 100 = \frac{48}{400} \times 100$$

....(Multiplying both sides by 100)

$$\begin{aligned}\therefore x &= \frac{48 \times 100}{400} \\ &= \frac{4800}{400} = \frac{4800 \div 100}{400 \div 100} \\ &= \frac{48}{4}\end{aligned}$$

$$\therefore x = 12\%$$

Cost price of shirt = Rs 200

Selling price of shirt = Rs 250

$\therefore$ Profit = Selling price – Cost price

$$= 250 - 200$$

$$= \text{Rs } 50$$

Let Maganlal make $y\%$ profit on selling shirt.

$$\therefore \frac{y}{100} = \frac{50}{200}$$

$$\therefore \frac{y}{100} \times 100 = \frac{50}{200} \times 100$$

....(Multiplying both sides by 100)

$$\begin{aligned}\therefore y &= \frac{50 \times 100}{200} \\ &= \frac{5000}{200} = \frac{5000 \div 100}{200 \div 100} \\ &= \frac{50}{2}\end{aligned}$$

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$$\therefore y = 25\%$$

$\therefore$ Transaction involving selling of shirt was more profitable.

Question 2.

Ramrao bought a cupboard for Rs 4500 and sold it for Rs 4950. Shamrao bought a sewing machine for Rs 3500 and sold it for Rs 3920. Whose transaction was more profitable?

Solution:

Cost price of cupboard = Rs 4500

Selling price of cupboard = Rs 4950

$$\therefore \text{Profit} = \text{Selling price} - \text{Cost price}$$

$$= 4950 - 4500$$

$$= \text{Rs } 450$$

Let Ramrao make $x\%$ profit on selling cupboard

$$\therefore \frac{x}{100} = \frac{450}{4500}$$

$$\therefore \frac{x}{100} \times 100 = \frac{450}{4500} \times 100$$

....(Multiplying both sides by 100)

$$\therefore x = \frac{450 \times 100}{4500}$$

$$= \frac{45000 \div 100}{4500 \div 100}$$

$$= \frac{450}{45}$$

$$\therefore x = 10\%$$

Cost price of sewing machine = Rs 3500

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Selling price of sewing machine = Rs 3920

∴ Profit = Selling price – Cost price

= 3920 – 3500

= Rs 420

Shamrao make $y\%$ profit on selling sewing machine.

$$\therefore \frac{y}{100} = \frac{420}{3500}$$

$$\therefore \frac{y}{100} \times 100 = \frac{420}{3500} \times 100$$

....(Multiplying both sides by 100)

$$\begin{aligned}\therefore y &= \frac{420 \times 100}{3500} \\ &= \frac{42000}{3500} = \frac{42000 \div 100}{3500 \div 100} \\ &= \frac{420}{35}\end{aligned}$$

∴ $y = 12\%$

∴ Shamrao's transaction was more profitable.

Question 3.

Hanif bought one box of 50 apples for Rs 400. He sold all the apples at the rate of Rs 10 each. Was there a profit or loss? What was its percentage?

Solution:

Cost price of 50 apples = Rs 400

Selling price of one apple = Rs 10

∴ Selling price of 50 apples = $10 \times 50 = \text{Rs } 500$

Selling price is greater than the total cost price.

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∴ Hanif made a profit.

∴ Profit = Selling price – Cost price

$$= 500 - 400$$

$$= \text{Rs } 100$$

Let Hanif make of $x\%$ profit on selling apples.

$$\therefore \frac{x}{100} = \frac{100}{400}$$

$$\therefore \frac{x}{100} \times 100 = \frac{100}{400} \times 100 \quad \dots(\text{Multiplying both sides by } 100)$$

$$\therefore x = \frac{100 \times 100}{400} = \frac{10000}{400} = \frac{10000 \div 100}{400 \div 100} = \frac{100}{4}$$

$$\therefore x = 25\%$$

∴ Hanif made a profit of 25%.



Maharashtra Board Solutions

Class 6 Maths

- Chapter 1- Basic Concepts in Geometry (Practice Set 1)
- Chapter 2- Angles (Practice Set 2)
- Chapter 2- Angles (Practice Set 3)
- Chapter 3- Integers (Practice Set 4)
- Chapter 3- Integers (Practice Set 5)
- Chapter 3- Integers (Practice Set 6)
- Chapter 3- Integers (Practice Set 7)
- Chapter 3- Integers (Practice Set 8)
- Chapter 4- Operations on Fractions (Practice Set 9)
- Chapter 4- Operations on Fractions (Practice Set 10)
- Chapter 4- Operations on Fractions (Practice Set 11)
- Chapter 4- Operations on Fractions (Practice Set 12)
- Chapter 4- Operations on Fractions (Practice Set 13)
- Chapter 5- Decimal Fractions (Practice Set 14)
- Chapter 5- Decimal Fractions (Practice Set 15)
- Chapter 5- Decimal Fractions (Practice Set 16)
- Chapter 5- Decimal Fractions (Practice Set 17)
- Chapter 6- Bar Graphs (Practice Set 18)
- Chapter 6- Bar Graphs (Practice Set 19)
- Chapter 7- Symmetry (Practice Set 20)
- Chapter 7- Symmetry (Practice Set 21)
- Chapter 8- Divisibility (Practice Set 22)

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- Chapter 9- HCF-LCM (Practice Set 23)
- Chapter 9- HCF-LCM (Practice Set 24)
- Chapter 9- HCF-LCM (Practice Set 25)
- Chapter 10- Equations (Practice Set 26)
- Chapter 10- Equations (Practice Set 27)
- Chapter 11- Ratio-Proportion (Practice Set 28)
- Chapter 11- Ratio-Proportion (Practice Set 29)
- Chapter 12- Percentage (Practice Set 30)
- Chapter 13- Profit-Loss (Practice Set 31)
- Chapter 13- Profit-Loss (Practice Set 32)
- Chapter 13- Profit-Loss (Practice Set 33)
- Chapter 13- Profit-Loss (Practice Set 34)
- Chapter 14- Banks and Simple Interest (Practice Set 35)
- Chapter 15- Triangles and their Properties (Practice Set 36)
- Chapter 16- Quadrilaterals (Practice Set 37)
- Chapter 16- Quadrilaterals (Practice Set 38)
- Chapter 17- Geometrical Constructions (Practice Set 39)
- Chapter 17- Geometrical Constructions (Practice Set 40)
- Chapter 18- Three Dimensional Shapes (Practice Set 41)

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About About Maharashtra State Board (MSBSHSE)

The Maharashtra State Board of Secondary and Higher Secondary Education or MSBSHSE (Marathi: महाराष्ट्र राज्य माध्यमिक आणि उच्च माध्यमिक शिक्षण मंडळ), is an **autonomous and statutory body established in 1965**. The board was amended in the year 1977 under the provisions of the Maharashtra Act No. 41 of 1965.

The Maharashtra State Board of Secondary & Higher Secondary Education (MSBSHSE), Pune is an independent body of the Maharashtra Government. There are more than 1.4 million students that appear in the examination every year. The Maha State Board conducts the board examination twice a year. This board conducts the examination for SSC and HSC.

The Maharashtra government established the Maharashtra State Bureau of Textbook Production and Curriculum Research, also commonly referred to as Ebalbharati, in 1967 to take up the responsibility of providing quality textbooks to students from all classes studying under the Maharashtra State Board. MSBHSE prepares and updates the curriculum to provide holistic development for students. It is designed to tackle the difficulty in understanding the concepts with simple language with simple illustrations. Every year around 10 lakh students are enrolled in schools that are affiliated with the Maharashtra State Board.

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FAQs

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Who developed the Maharashtra State board books?

As of now, the MSCERT and Balbharti are responsible for the syllabus and textbooks of Classes 1 to 8, while Classes 9 and 10 are under the Maharashtra State Board of Secondary and Higher Secondary Education (MSBSHSE).

How many state boards are there in Maharashtra?

The Maharashtra State Board of Secondary & Higher Secondary Education, conducts the HSC and SSC Examinations in the state of Maharashtra through its nine Divisional Boards located at Pune, Mumbai, Aurangabad, Nasik, Kolhapur, Amravati, Latur, Nagpur and Ratnagiri.

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