

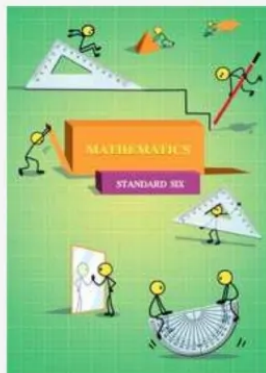
Maharashtra Board Solutions Class 6-Maths

(Practice Set 16): Chapter 5- Decimal Fractions

BOOK SOLUTIONS
CLASS 6
MATHS

CHAPTER 5
Decimal Fractions

Maharashtra Board Solutions→



For any clarifications or questions you can write to info@indcareer.com

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Maharashtra Board Solutions Class 6-Maths

(Practice Set 16): Chapter 5- Decimal Fractions

Class 6: Maths Chapter 5 solutions. Complete Class 6 Maths Chapter 5 Notes.

Maharashtra Board Solutions Class 6-Maths (Practice Set 16): Chapter 5- Decimal Fractions

Maharashtra Board 6th Maths Chapter 5, Class 6 Maths Chapter 5 solutions

Question 1.

If, $317 \times 45 = 14265$, then $3.17 \times 4.5 = ?$

Solution:

$$3.17 \times 4.5$$

$$= 14.265$$

Question 2.

If, $503 \times 217 = 109151$, then $5.03 \times 2.17 = ?$

Solution:

$$5.03 \times 2.17$$

$$= 10.9151$$

Question 3.

i. 2.7×1.4

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ii. 6.17×3.9

iii. 0.57×2

iv. 5.04×0.7

Solution:

i. 2.7×1.4

$$\begin{aligned} &= \frac{27}{10} \times \frac{14}{10} \\ &= \frac{27 \times 14}{10 \times 10} = \frac{378}{100} \end{aligned}$$

$= 3.75$

ii. 6.17×3.9

$$\begin{aligned} &= \frac{617}{100} \times \frac{39}{10} \\ &= \frac{617 \times 39}{100 \times 10} = \frac{24063}{1000} \end{aligned}$$

$= 24.063$

iii. 0.57×2

$$\begin{aligned} &= \frac{57}{100} \times \frac{2}{1} \\ &= \frac{57 \times 2}{100 \times 1} = \frac{114}{100} \end{aligned}$$

$= 1.14$

iv. 5.04×0.7

$$\begin{aligned} &= \frac{504}{100} \times \frac{7}{10} \\ &= \frac{504 \times 7}{100 \times 10} = \frac{3528}{1000} \end{aligned}$$

$$= 3.528$$

Question 4.

Virendra bought 18 bags of rice, each bag weighing 5.250 kg. How much rice did he buy altogether? If the rice costs Rs 42 per kg, how much did he pay for it?

Solution:

Weight of one bag of rice = 5.250 kg

Number of bags of rice = 18

∴ Total Weight = 18×5.250

$$= \frac{18}{1} \times \frac{525}{100} = \frac{18 \times 525}{1 \times 100} = \frac{9450}{100} = 94.5 \text{ kg}$$

Cost of 1 kg of rice = Rs 42

∴ Cost of 94.5 kg of rice = 42×94.5

$$= \frac{42}{1} \times \frac{945}{10} = \frac{42 \times 945}{1 \times 10} = \frac{39690}{10} = ₹ 3969$$

∴ Total rice bought by Virendra is 94.5 kg, and the amount paid for it is Rs 3969.

Question 5.

Vedika has 23.5 metres of cloth. She used it to make 5 curtains of equal size. If each curtain required 4 metres 25 cm to make, how much cloth is left over?

Solution:

We know, that 1 m = 100 cm

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Cloth required to make 1 curtain = 4 m 25 cm

$$= 4 \text{ m} + 25100 \text{ m}$$

$$= 4 \text{ m} + 0.25 \text{ m}$$

$$\begin{array}{r} 4.00 \\ + 0.25 \\ \hline 4.25 \end{array}$$

$$= 4.25 \text{ m}$$

∴ Cloth required to make 5 curtains = 5×4.25

$$= \frac{5}{1} \times \frac{425}{100} = \frac{5 \times 425}{1 \times 100} = \frac{2125}{100}$$

$$= 21.25 \text{ m}$$

Cloth remaining with Vedika = Total cloth with Vedika – Cloth used

$$= 23.5 \text{ m} - 21.25 \text{ m}$$

$$\begin{array}{r} 23.50 \\ - 21.25 \\ \hline 2.25 \end{array}$$

$$= 2.25 \text{ m}$$

∴ The length of cloth remaining with Vedika is 2.25 m.



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)
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- 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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