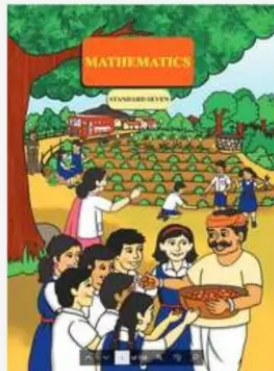


Maharashtra Board Solutions Class 7-Maths (Practice Set 25): Chapter 5- Operations on Rational Numbers

BOOK SOLUTIONS
CLASS 7
MATHS

CHAPTER 5
**Operations on Rational
Numbers**



Maharashtra Board Solutions→

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

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Maharashtra Board Solutions Class 7-Maths (Practice Set 25): Chapter 5- Operations on Rational Numbers

Class 7: Maths Chapter 5 solutions. Complete Class 7 Maths Chapter 5 Notes.

Maharashtra Board Solutions Class 7-Maths (Practice Set 25): Chapter 5- Operations on Rational Numbers

Maharashtra Board 7th Maths Chapter 5, Class 7 Maths Chapter 5 solutions

Question 1.

Simplify the following expressions.

i. $50 \times 5 \div 2 + 24$

ii. $(13 \times 4) \div 2 - 26$

iii. $140 \div [(-11) \times (-3) - (-42) \div 14 - 1]$

iv. $\{(220 - 140) + [10 \times 9 + (-2 \times 5)]\} - 100$

v. $\frac{3}{5} + \frac{3}{8} \div \frac{6}{4}$

Solution:

i. $50 \times 5 \div 2 + 24 = 250 \div 2 + 24$

$= 125 + 24$

$= 149$

ii. $(13 \times 4) \div 2 - 26$

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$$= 52 \div 2 - 26$$

$$= 26 - 26$$

$$= 0$$

$$\text{iii. } 140 \div [(-11) \times (-3) - (-42) \div 14 - 1]$$

$$= 140 \div [33 + 42 \div 14 - 1]$$

$$= 140 \div [33 + 3 - 1]$$

$$= 140 \div 35$$

$$= 4$$

$$\text{iv. } \{(220 - 140) + [10 \times 9 + (-2 \times 5)]\} - 100$$

$$= \{80 + [90 - 10]\} - 100$$

$$= \{80 + 80\} - 100$$

$$= 160 - 100$$

$$= 60$$

$$\text{v. } \frac{3}{5} + \frac{3}{8} \div \frac{6}{4}$$

$$= \frac{3}{5} + \frac{3}{8} \times \frac{4}{6}$$

$$= \frac{3}{5} + \frac{1}{4}$$

$$= \frac{12}{20} + \frac{5}{20} = \frac{12+5}{20} = \frac{17}{20}$$

Intext Questions and Activities

Question 1.

Use the signs and numbers in the boxes and form an expression such that its value will be 112. (Textbook pg. no. 42)

[0, 1, 2, 3, 4, 5, 6, 7, 8, 9]

[+ x ÷ -]

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Solution:

$$\{3 + (6 \times 7) + (9 \div 3)\} + \{-8 + 8 \times 9\}$$

Note: The above problem has many solutions. Students may write solution other than the one given.



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- Chapter 1- Geometrical Constructions (Practice Set 2)
- Chapter 1- Geometrical Constructions (Practice Set 3)
- Chapter 1- Geometrical Constructions (Practice Set 4)
- Chapter 1- Geometrical Constructions (Practice Set 5)
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- Chapter 2- Multiplication and Division of Integers (Practice Set 8)
- Chapter 2- Multiplication and Division of Integers (Practice Set 9)
- Chapter 3- HCF and LCM (Practice Set 10)
- Chapter 3- HCF and LCM (Practice Set 11)
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- Chapter 4- Angles and Pairs of Angles (Practice Set 17)
- Chapter 4- Angles and Pairs of Angles (Practice Set 18)
- Chapter 4- Angles and Pairs of Angles (Practice Set 19)
- Chapter 4- Angles and Pairs of Angles (Practice Set 20)
- Chapter 4- Angles and Pairs of Angles (Practice Set 21)

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- Chapter 8- Algebraic Expressions and Operations on them (Practice Set 36)
- Chapter 9- Direct Proportion and Inverse Proportion (Practice Set 37)
- Chapter 9- Direct Proportion and Inverse Proportion (Practice Set 38)
- Chapter 9- Direct Proportion and Inverse Proportion (Practice Set 39)
- Chapter 10- Bank and Simple Interest (Practice Set 40)
- Chapter 10- Bank and Simple Interest (Practice Set 41)
- Chapter 11- Circle (Practice Set 42)

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- Chapter 11- Circle (Practice Set 43)
- Chapter 12- Perimeter and Area (Practice Set 44)
- Chapter 12- Perimeter and Area (Practice Set 45)
- Chapter 12- Perimeter and Area (Practice Set 46)
- Chapter 12- Perimeter and Area (Practice Set 47)
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- Chapter 13- Pythagoras Theorem (Practice Set 49)
- Chapter 14- Algebraic Formulae - Expansion of Squares (Practice Set 50)
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- Chapter 14- Algebraic Formulae - Expansion of Squares (Practice Set 52)
- Chapter 14- Algebraic Formulae - Expansion of Squares (Practice Set 53)
- Chapter 15- Statistics (Practice Set 54)
- Chapter 14- Statistics (Practice Set 55)

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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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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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