

Maharashtra Board Solutions Class 6-Maths (Practice Set 12): Chapter 4- Operations on Fractions



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Maharashtra Board Solutions Class 6-Maths (Practice Set 12): Chapter 4- Operations on Fractions

Class 6: Maths Chapter 4 solutions. Complete Class 6 Maths Chapter 4 Notes.

Maharashtra Board Solutions Class 6-Maths (Practice Set 12): Chapter 4- Operations on Fractions

Maharashtra Board 6th Maths Chapter 4, Class 6 Maths Chapter 4 solutions

Question 1.

Multiply:

i. 75×14

ii. 67×25

iii. 59×49

iv. 411×27

v. 15×72

vi. 97×78

vii. 56×65

viii. 617×32

Solution:

i. 75×14

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$$\frac{7}{5} \times \frac{1}{4} = \frac{7 \times 1}{5 \times 4} = \frac{7}{20}$$

ii. 67×25

$$\frac{6}{7} \times \frac{2}{5} = \frac{6 \times 2}{7 \times 5} = \frac{12}{35}$$

iii. 59×49

$$\frac{5}{9} \times \frac{4}{9} = \frac{5 \times 4}{9 \times 9} = \frac{20}{81}$$

iv. 411×27

$$\frac{4}{11} \times \frac{2}{7} = \frac{4 \times 2}{11 \times 7} = \frac{8}{77}$$

v. 15×72

$$\frac{1}{5} \times \frac{7}{2} = \frac{1 \times 7}{5 \times 2} = \frac{7}{10}$$

vi. 97×78

$$\frac{9}{7} \times \frac{7}{8} = \frac{9 \times 7}{7 \times 8} = \frac{9}{8}$$

vii. 56×65

$$\frac{5}{6} \times \frac{6}{5} = \frac{5 \times 6}{6 \times 5} = 1$$

viii. 617×32

$$\frac{6}{17} \times \frac{3}{2} = \frac{6 \times 3}{17 \times 2} = \frac{3}{17} \times \frac{6}{2} = \frac{3}{17} \times \frac{3}{1} = \frac{9}{17}$$

Question 2.

Ashokrao planted bananas on 27 of his field of 21 acres. What is the area of the banana plantation?

Solution:

Area of banana plantation is 27 of 21

$\therefore$ Area of banana plantation

$$= \frac{27}{21} \times 21 = \frac{27}{7} \times \frac{21}{1} = \frac{27 \times 21}{7 \times 1} = \frac{42}{7} = 6 \text{ acres}$$

$\therefore$ Area of banana plantation is 6 acres

Question 3.

Of the total number of soldiers in our army, 49 are posted on the northern border and one-third of them on the north-eastern border. If the number of soldiers in the north is 5,40,000, how many are posted in the north-east?

Solution:

Number of soldiers posted on northern border = 5,40,000

Since, number of soldiers in north-east = one third of the soldiers on northern border

$\therefore$ Number of soldiers in the north-east

$$= \frac{1}{3} \times 5,40,000 = \frac{1 \times 5,40,000}{3 \times 1} = 1,80,000$$

$\therefore$ The number of soldiers in the north-east is 1,80,000.

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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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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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