

Maharashtra Board Solutions Class 5-Maths

(Problem Set 15) - Part 1: Chapter 4-

Multiplication and Division



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Maharashtra Board Solutions Class 5-Maths

(Problem Set 15) - Part 1: Chapter 4-

Multiplication and Division

Class 5: Maths Chapter 4 solutions. Complete Class 5 Maths Chapter 4 Notes.

Maharashtra Board Solutions Class 5-Maths (Problem Set 15) - Part 1: Chapter 4- Multiplication and Division

Maharashtra Board 5th Maths Chapter 4, Class 5 Maths Chapter 4 solutions

Important Questions and Answers.

Question 1.

Solve the following and write the quotient and remainder.

(1) $1284 \div 32$

Solution :

$$\begin{array}{r} 40 \\ 32 \overline{) 1284} \\ \underline{-128} \\ 0004 \\ \underline{-0} \\ 4 \end{array}$$

Quotient = 40

Remainder = 4

(2) $5586 \div 87$

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Solution :

$$\begin{array}{r} 64 \\ 87 \overline{) 5586} \\ \underline{-522} \\ 0366 \\ \underline{-348} \\ 018 \end{array}$$

Quotient = 64

Remainder = 18

(3) $1207 \div 27$

Solution:

$$\begin{array}{r} 44 \\ 27 \overline{) 1207} \\ \underline{-108} \\ 127 \\ \underline{-108} \\ 19 \end{array}$$

Quotient = 44

Remainder = 19

(4) $8543 \div 41$

Solution :

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$$\begin{array}{r} 208 \\ 41 \overline{) 8543} \\ \underline{-82} \\ 034 \\ \underline{-00} \\ 343 \\ \underline{-328} \\ 15 \end{array}$$

Quotient = 208

Remainder = 15

(5) $2304 \div 43$

Solution:

$$\begin{array}{r} 53 \\ 43 \overline{) 2304} \\ \underline{-215} \\ 0154 \\ \underline{-129} \\ 025 \end{array}$$

Quotient = 53

Remainder = 25

(6) $56,741 \div 26$

Solution:

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$$\begin{array}{r} 2182 \\ 26 \overline{) 56741} \\ \underline{-52} \\ 047 \\ \underline{-26} \\ 214 \\ \underline{208} \\ 0061 \\ \underline{-52} \\ 0009 \end{array}$$

Quotient = 2182

Remainder = 9

Question 2.

How many hours will it take to travel 336 km at a speed of 48 km per hour?

Solution:

Time = Distance $\div$ Speed

$$\begin{array}{r} 7 \\ 48 \overline{) 336} \\ \underline{-336} \\ 000 \end{array}$$

Answer:

It will take 7 hours.

Question 3.

Girija needed 35 cartons to pack 1400 books. There are an equal number of books in every carton. How many books did she pack into each carton?

Solution:

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No. of cartons x No. of books in each carton = Total no. of books
 $35 \times \text{No. of books in each carton} = 1400$
No. of books in each carton = $1400 \div 35$

$$\begin{array}{r} 40 \\ 35 \overline{) 1400} \\ \underline{-140} \\ 0000 \end{array}$$

Answer:

She packs 40 books in each carton.

Question 4.

The contribution for a picnic was 65 rupees each. Altogether, 2925 rupees were collected. How many had paid for the picnic?

Solution:

$$\begin{array}{r} 45 \\ 65 \overline{) 2925} \\ \underline{-260} \\ 0325 \\ \underline{-325} \\ 000 \end{array}$$

Answer:

45 persons paid for the picnic.

Question 5.

Which number, on being multiplied by 56, gives a product of 9688?

Solution:

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$$\begin{array}{r} 173 \\ 56 \overline{) 9688} \\ \underline{-56} \\ 408 \\ \underline{-392} \\ 168 \\ \underline{168} \\ 000 \end{array}$$

Answer:

173

Question 6.

If 48 sheets are required for making one notebook, how many notebooks at the most will 5880 sheets make and how many sheets will be left over?

Solution:

$$\begin{array}{r} 122 \\ 48 \overline{) 5880} \\ \underline{-48} \\ 108 \\ \underline{-96} \\ 0120 \\ \underline{96} \\ 024 \end{array}$$

Answer:

122 notebooks can be made and 24 sheets left over.

Question 7.

What will the quotient be when the smallest five-digit number is divided by the smallest four-digit number?

Solution:

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Smallest five-digit number is 10,000 and smallest four-digit number is 1,000.

So, $10000 \div 1000 = 10$

$$\begin{array}{r} 10 \\ 1000 \overline{) 10000} \\ - 1000 \\ \hline 00000 \end{array}$$

Answer:

Quotient = 10

Mixed examples

A farmer brought 140 trays of chilli seedlings. Each tray had 24 seedlings. He planted all the seedlings in his field, putting 32 in a row. How many rows of chillies did he plant?

Let us find out the total number of seedlings when there were 24 seedlings in each of the 140 trays. We shall multiply 140 and 24.

$$\begin{array}{r} 140 \\ \times 24 \\ \hline 560 \\ + 2800 \\ \hline 3360 \end{array}$$

Total number of seedlings 3,360.

To find out how many rows were planted with 32 seedlings in each row, we shall divide 3,360 by 32.

The quotient is 105.

Therefore, the number of rows is 105.

Carry out the multiplication of 105×32 and verify your answer.

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$$\begin{array}{r} 105 \\ 32 \overline{) 3360} \\ \underline{- 32} \\ 016 \\ \underline{- 00} \\ 160 \\ \underline{- 160} \\ 000 \end{array}$$

Additional Important Questions and Answers

Solve the following and write the quotient and remainder.

(1) $9148 \div 37$

Solution

$$\begin{array}{r} 247 \\ 37 \overline{) 9148} \\ \underline{- 74} \\ 174 \\ \underline{- 148} \\ 0268 \\ \underline{- 259} \\ 009 \end{array}$$

Quotient = 247

Remainder = 9

(2) $1175 \div 15$

Solution :

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$$\begin{array}{r} 78 \\ 15 \overline{) 1175} \\ \underline{- 105} \\ 0125 \\ \underline{- 120} \\ 005 \end{array}$$

Quotient = 78

Remainder = 5

Solve the following word problems:

(1) If 45 kg of sugar cost 1305 rupees, what is the rate of sugar per kg?

Solution:

$$\begin{array}{r} 29 \\ 45 \overline{) 1305} \\ \underline{- 90} \\ 0405 \\ \underline{- 405} \\ 000 \end{array}$$

Answer:

The rate per kg of sugar is 29 rupees.

(2) 17 people spent ₹ 83,475. How much did each person spend and what is the amount left?

Solution:

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$$\begin{array}{r} 4910 \\ 17 \overline{) 83475} \\ \underline{-68} \\ 154 \\ \underline{-153} \\ 0017 \\ \underline{17} \\ 005 \\ \underline{0} \\ 5 \end{array}$$

Answer:

Each person spent ₹ 4,910 and the amount left is ₹ 5



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- Chapter 1- Roman Numerals (Problem Set 1)
- Chapter 2- Number Work (Problem Set 2)
- Chapter 2- Number Work (Problem Set 3)
- Chapter 2- Number Work (Problem Set 4)
- Chapter 2- Number Work (Problem Set 5)
- Chapter 2- Number Work (Problem Set 6)
- Chapter 3- Addition and Subtraction (Problem Set 7)
- Chapter 3- Addition and Subtraction (Problem Set 8)
- Chapter 3- Addition and Subtraction (Problem Set 9)
- Chapter 3- Addition and Subtraction (Problem Set 10)
- Chapter 3- Addition and Subtraction (Problem Set 11)
- Chapter 3- Addition and Subtraction (Problem Set 12)
- Chapter 3- Addition and Subtraction (Problem Set 13)
- Chapter 4- Multiplication and Division (Problem Set 14)
- Chapter 4- Multiplication and Division (Problem Set 15)
- Chapter 4- Multiplication and Division (Problem Set 16)
- Chapter 5- Fractions (Problem Set 17)
- Chapter 5- Fractions (Problem Set 18)
- Chapter 5- Fractions (Problem Set 19)
- Chapter 5- Fractions (Problem Set 20)
- Chapter 5- Fractions (Problem Set 21)

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- Chapter 5- Fractions (Problem Set 22)
- Chapter 5- Fractions (Problem Set 23)
- Chapter 6- Angles (Problem Set 24)
- Chapter 6- Angles (Problem Set 25)
- Chapter 6- Angles (Problem Set 26)
- Chapter 6- Angles (Problem Set 27)
- Chapter 7- Circles (Problem Set 28)
- Chapter 7- Circles (Problem Set 29)
- Chapter 7- Circles (Problem Set 30)
- Chapter 7- Circles (Problem Set 31)
- Chapter 8- Multiples and Factors (Problem Set 34)
- Chapter 8- Multiples and Factors (Problem Set 35)
- Chapter 9- Decimal Fractions (Problem Set 36)
- Chapter 9- Decimal Fractions (Problem Set 37)
- Chapter 9- Decimal Fractions (Problem Set 38)
- Chapter 9- Decimal Fractions (Problem Set 39)
- Chapter 9- Decimal Fractions (Problem Set 40)
- Chapter 9- Decimal Fractions (Problem Set 41)
- Chapter 9- Decimal Fractions (Problem Set 42)
- Chapter 10- Measuring Time (Problem Set 43)

Part 2.

- Chapter 8- Multiples and Factors (Problem Set 32)
- Chapter 8- Multiples and Factors (Problem Set 33)
- Chapter 10- Measuring Time (Problem Set 44)
- Chapter 10- Measuring Time (Problem Set 45)
- Chapter 11- Problems on Measurement (Problem Set 46)

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- Chapter 12- Perimeter and Area (Problem Set 48)
- Chapter 12- Perimeter and Area (Problem Set 49)
- Chapter 12- Perimeter and Area (Problem Set 50)
- Chapter 13- Three Dimensional Objects and Nets (Problem Set 51)
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- Chapter 16- Preparation for Algebra (Problem Set 54)
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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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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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