

Maharashtra Board Solutions Class 5-Maths

(Problem Set 33) - Part 2: Chapter 8-

Multiples and Factors

BOOK SOLUTIONS
CLASS 5
MATHS (PART 2)

CHAPTER 8
Multiples and Factors



Maharashtra Board Solutions→



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Maharashtra Board Solutions Class 5-Maths

(Problem Set 33) - Part 2: Chapter 8-

Multiples and Factors

Class 5: Maths Chapter 8 solutions. Complete Class 5 Maths Chapter 8 Notes.

Maharashtra Board Solutions Class 5-Maths (Problem Set 33) - Part 2: Chapter 8- Multiples and Factors

Maharashtra Board 5th Maths Chapter 8, Class 5 Maths Chapter 8 solutions

Important Questions and Answers.

Question 1.

(1) Write five three-digit numbers that are multiples of 2.

Answer:

100, 102, 104, 106, 108.

(2) Write five three-digit numbers that are multiples of 5.

Answer:

100, 105, 110, 115, 120.

(3) Write five three-digit numbers that are multiples of 10.

Answer:

100, 110, 120, 130, 140.

Question 2.

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Write 5 numbers that are multiples of 2 as well as of 3.

Answer:

2 as well as of 3 means 2 and 3 that is multiples of 6.

They are 6, 12, 18, 24, 30.

Question 3.

A ribbon is 3 metres long. Can we cut it into 50 cm pieces and have nothing left over? Write the reason why or why not.

Answer:

3 metres = 300 cm.

We can cut it into 50 cm pieces.

Since 300 is exactly divisible 50.

That is 300 is multiples of 50.

$$300 \div 50 = 6$$

We will get 6 pieces, nothing is left over.

Question 4.

A ribbon is 3 metres long. I need 8 pieces of ribbon each 40 cm long. How many centimetres shorter is the ribbon than the length I need?

Answer:

1 piece of 40 cm, so for 8 pieces ribbon needed is $40 \times 8 = 320$ cm.

But ribbon is 3 metre = 300 cm long.

So ribbon is shorter by $320 - 300 = 20$ cm.

Question 5.

If the number given in the table is divisible by the given divisor, put ✓ in the box. If it is not divisible by the divisor, put X in the box.

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Divisor Number	2	5	10
15	×	✓	×
30			
34			
46			

Divisor Number	2	5	10
55			
63			
70			
84			

Answer:

Sr.No.	Number/Divisor	2	5	10
(1)	15	×	✓	×
(2)	30	✓	✓	✓
(3)	34	✓	×	×
(4)	46	✓	×	×
(5)	55	×	✓	×
(6)	63	×	×	×
(7)	70	✓	✓	✓
(8)	84	✓	×	×

Prime and composite numbers

Some numbers are given in the tables below. Write all of their factors.

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Numbers	Factors
2	1, 2
3	1, 3
4	1, 2, 4
5	
6	

Numbers	Factors
11	
12	
16	
19	
25	

Dada : What do you notice on studying the table?

Ajay : The number 1 is a factor of every number. Some numbers have only 1 and the number itself as factors. For example, the only factors of 3 are 1 and 3. Similarly, the factors of 2 are only 1 and 2 and the factors of 19 are only 1 and 19. Some numbers have more than two factors.

Dada : Numbers like 2, 3, 19 which have only two factors are called prime numbers.

A number which has only two factors, 1 and the number itself, is called a prime number.

Ajay : What do we call numbers like 4, 6 and 16 which have more than two factors?

Dada : Numbers like 4, 6 and 16 are called composite numbers.

A number which has more than two factors is called a composite number.

Dada : Think carefully and tell me whether 1 is a prime or composite number.

Ajay : The number 1 has only one factor, 1 itself, so I can't answer your question.

Dada : You're right. 1 is considered neither a prime number nor a composite number.

1 is a number which is neither prime nor composite.

Additional Important Questions and Answers

Question 1.

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Write five three-digit numbers that are multiples of 3.

Answer:

102, 105, 108, 111, 114.

Question 2.

Write five two-digit numbers that are multiples of 7.

Answer:

14, 21, 28, 35, 42

Question 3.

Write five three-digit numbers that are multiples of 4.

Answer:

112, 116, 120, 124, 128.

Question 4.

Write 5 numbers that are multiples of 3 as well as 5.

Answer:

3 as well as 5 means 3 and 5. i.e. multiples of 15.

They are 15, 30, 45, 60, 75.

Question 5.

A string is 4 metres long. Can we cut it into 50 cm pieces and have nothing left over?

Answer:

4 metres = 400 cm.

We can cut it into 50 cm pieces.

Since 400 is exactly divisible by 50.

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That is 400 is multiple of 50 $400 \div 50 = 8$

We will get 8 pieces. Nothing is left over.

Question 6.

A paper is 2 metres long. I need 8 pieces of paper each 30 cm long. How many centimetres shorter is the paper than the length I need?

Answer:

A piece of 30 cm, so for 8 pieces paper needed is $30 \times 8 = 240$ cm.

But paper is 2 metre = $2 \times 100 = 200$ cm long.

So paper is shorter by $240 - 200 = 40$ cm

Question 7.

If the number given in the table is divisible by the given divisor, put P in the box. If it is not divisible by the divisor, put in the box.

Answer:

Number/Divisor	2	5	10
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85	x	✓	x
90	✓	✓	✓
92	✓	x	x
95	x	✓	x
97	x	x	x
100	✓	✓	✓

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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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