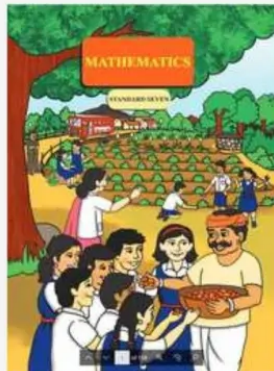


Maharashtra Board Solutions Class 7-Maths (Practice Set 44): Chapter 12- Perimeter and Area

BOOK SOLUTIONS
CLASS 7
MATHS

CHAPTER 12
Perimeter and Area



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 44): Chapter 12- Perimeter and Area

Class 7: Maths Chapter 12 solutions. Complete Class 7 Maths Chapter 12 Notes.

Maharashtra Board Solutions Class 7-Maths (Practice Set 44): Chapter 12- Perimeter and Area

Maharashtra Board 7th Maths Chapter 12, Class 7 Maths Chapter 12 solutions

Question 1.

If the length and breadth of a rectangle are doubled, how many times the perimeter of the old rectangle will that of the new rectangle be?

Solution:

Let the length of the old rectangle be l and breadth be b .

$$\therefore \text{Perimeter of old rectangle} = 2(l + b)$$

Length of new rectangle = $2l$ and breadth = $2b$

$$\therefore \text{Perimeter of new rectangle} = 2(2l + 2b)$$

$$= 2 \times 2(l + b)$$

$$= 2 \times \text{perimeter of old rectangle}$$

$\therefore$ The perimeter of new rectangle will be twice the perimeter of old rectangle.

Question 2.

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If the side of a square is tripled, how many times the perimeter of the first square will that of the new square be?

Solution:

Let the length of the square be a .

Perimeter of square = $4 \times \text{side}$

$$= 4 \times a = 4a$$

Side of new square = $3 \times a = 3a$

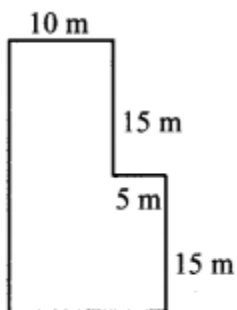
Perimeter of new square = $4 \times \text{side}$

$$= 4 \times 3a = 3 \times 4a = 3 \times \text{perimeter of original square.}$$

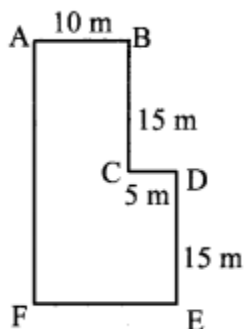
$\therefore$ The perimeter of new square will be three times the perimeter of original square.

Question 3.

Given alongside is the diagram of a playground. It shows the length of its sides. Find the perimeter of the playground.



Solution:



Side AF = side BC + side DE

∴ Side AF = 15 + 15 = 30 m

Side FE = side AB + side CD

∴ Side FE = 10 + 5 = 15 m

∴ Perimeter of the playground = side AB + side BC + side CD + side DE + side FE + side AF

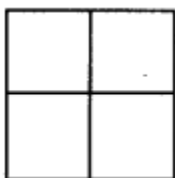
= 10 + 15 + 5 + 15 + 15 + 30

= 90 m.

∴ The perimeter of the playground is 90 m.

Question 4.

As shown in the figure, four napkins all of the same size were made from a square piece of cloth of length 1 m. What length of lace will be required to trim all four sides of all the napkins?



Solution:

Side of the square piece of cloth = 1 m

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∴ Side of each napkin = 0.5 m

Length of lace that will be required for 1 napkin = perimeter of the napkin

$$= 4 \times \text{side} = 4 \times 0.5 = 2 \text{ m}$$

∴ Perimeter of 4 napkins = $4 \times 2 = 8 \text{ m}$

∴ 8 metre long lace will be required to trim all four napkins.



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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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