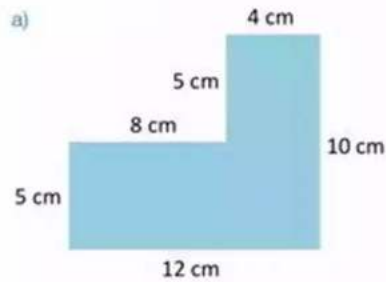


All In One Worksheet Perimeter Of Rectilinear Shapes Part II - Compound Shapes

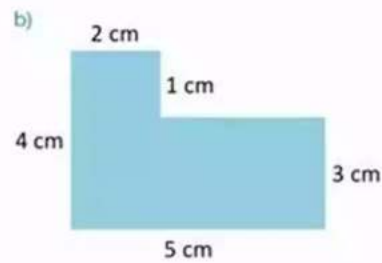


Perimeter of Compound Shapes

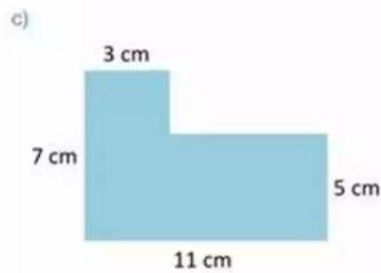
Calculate the perimeters of the following compound shapes



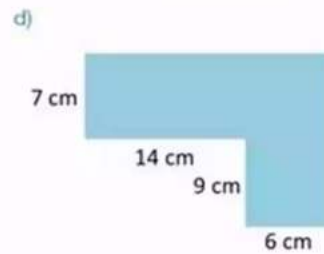
Perimeter =



Perimeter =



Perimeter =



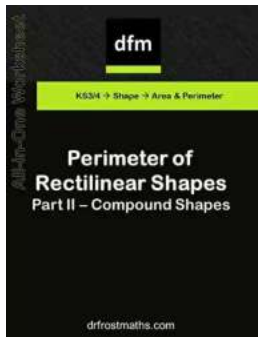
Perimeter =



Calculating the perimeter of rectilinear shapes can be a challenging task, especially when dealing with compound shapes where multiple rectangles are combined. In this article, we will delve into the intricacies of finding the perimeter

of such compound shapes and provide you with an all-in-one worksheet to practice your skills.

Perimeter is a fundamental concept in geometry that measures the total distance around a shape. For rectilinear shapes, which consist of straight sides at right angles, calculating the perimeter involves adding the lengths of all the sides.



All in One Worksheet - Perimeter of Rectilinear Shapes - Part II - Compound Shapes

by Ramesh Chandra (Kindle Edition)

★★★★★ 5 out of 5

Language : English
File size : 13670 KB
Text-to-Speech : Enabled
Screen Reader : Supported
Enhanced typesetting : Enabled
Print length : 316 pages



When it comes to compound shapes, things can get a bit more complex. Compound shapes are formed by combining two or more shapes, usually rectangles, together. These shapes can overlap or have common sides. To find the perimeter of a compound shape, we must calculate the length of each individual side and then sum them all up.

Calculating the Perimeter of Compound Shapes

To tackle the perimeter of compound shapes, let's break it down into a step-by-step process:

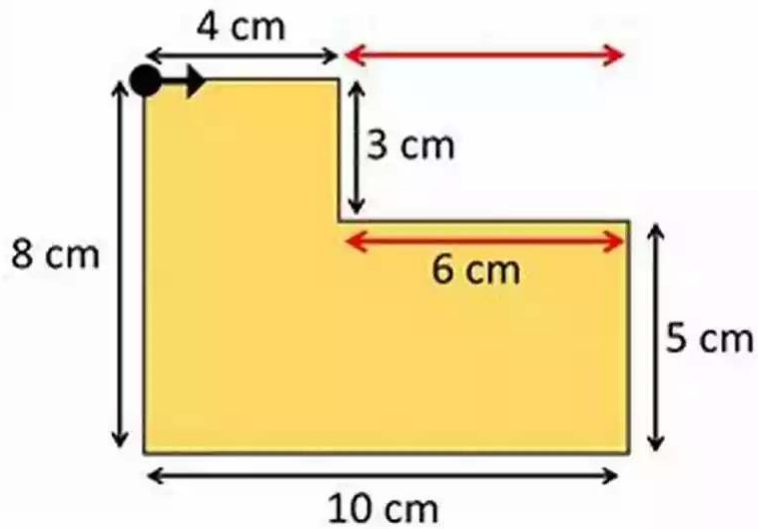
1. Identify the individual rectangles: Start by identifying all the rectangular components that make up the compound shape. These rectangles can be partially hidden or overlapping.
2. Measure the lengths and widths: For each individual rectangle, measure the length and width. Record these measurements for later use.
3. Calculate the perimeters: Once you have the measurements, calculate the perimeter of each rectangle. The perimeter of a rectangle is simply the sum of all its sides, which can be obtained by multiplying the length by 2 and the width by 2, and then summing these values.
4. Add the perimeters: Finally, add up the perimeters of all the rectangles to obtain the total perimeter of the compound shape.

Example: Perimeter of a Compound Shape

Let's illustrate the process with an example. Consider the compound shape shown below:

Calculate the **perimeter** of this compound shape.

Calculate & label missing lengths.



Perimeter:

(‘Walk’ around the outside)

$$4 + 3 + 6 + 5 + 10 + 8 = 36 \text{ cm}$$

We can observe that this compound shape is comprised of three rectangles. To find its perimeter, we need to calculate the perimeter of each rectangle and then sum them up.

Rectangle A:

- Length = 8 units
- Width = 5 units

Perimeter of Rectangle A = $2(8) + 2(5) = 16 + 10 = 26$ units

Rectangle B:

- Length = 10 units

- Width = 3 units

Perimeter of Rectangle B = $2(10) + 2(3) = 20 + 6 = 26$ units

Rectangle C:

- Length = 6 units
- Width = 7 units

Perimeter of Rectangle C = $2(6) + 2(7) = 12 + 14 = 26$ units

Total Perimeter = Perimeter of A + Perimeter of B + Perimeter of C = $26 + 26 + 26 = 78$ units

Hence, the total perimeter of this compound shape is 78 units.

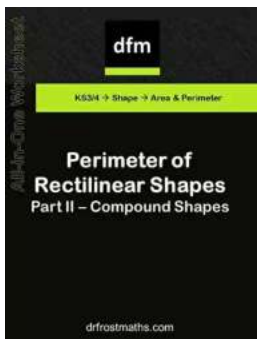
All-in-One Worksheet - Practice Your Skills

To fully grasp the concept of calculating the perimeter of compound shapes, it is essential to practice extensively. We have designed an all-in-one worksheet to help you hone your skills in this area. The worksheet includes a variety of compound shapes with different dimensions, which will challenge your understanding of the topic.

[Click here to download the PDF worksheet](#)

Understanding how to find the perimeter of compound shapes is crucial in geometry. By breaking down the compound shape into individual rectangles, measuring their respective dimensions, and summing up the perimeters, you can accurately determine the total perimeter of the shape. Practice using our all-in-

one worksheet to improve your skills and become proficient in calculating the perimeter of complex rectilinear shapes.



All in One Worksheet - Perimeter of Rectilinear Shapes - Part II - Compound Shapes

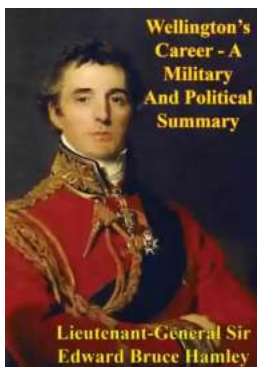
by Ramesh Chandra(Kindle Edition)

★★★★★ 5 out of 5

Language : English
File size : 13670 KB
Text-to-Speech : Enabled
Screen Reader : Supported
Enhanced typesetting : Enabled
Print length : 316 pages



All in One' worksheets provide a standalone exercise, solutions and a worked example, all on a single printable page. It also links to specific Key Skill(s) on the DrFrostMaths for additional online practice of questions.



Wellington's Incredible Military and Political Journey: A Legacy That Resonates

When it comes to military and political history, few figures have left a mark as profound and influential as Arthur Wellesley, Duke of Wellington. Born on May 1, 1769, in...



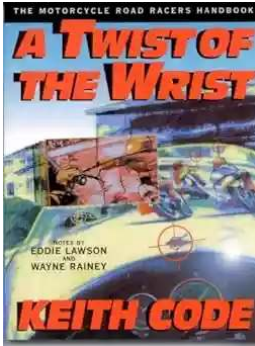
10 Mind-Blowing Events That Take Place In Space

Welcome to the fascinating world of outer space, where unimaginable events unfold and capture our wildest imagination. From breathtaking supernovas to...



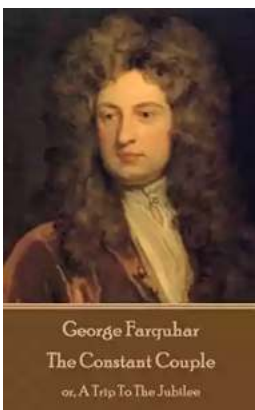
The Astonishing Beauty of Lanes Alexandra Kui: Exploring the Enigmatic World of an Extraordinary Artist

When it comes to capturing the essence of beauty and emotion through art, few artists can match the extraordinary talent of Lanes Alexandra Kui. With her unique style,...



Unlock the Secrets of Riding with a Twist Of The Wrist

Are you a motorcycle enthusiast? Do you dream of being able to ride with skill, precision, and confidence? Look no further, as we are about to reveal the key...



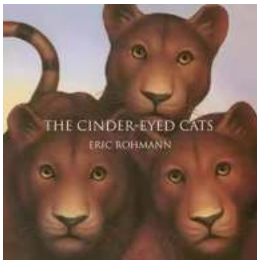
The Ultimate Guide to An Epic Adventure: Our Enchanting Journey to the Jubilee

Are you ready for a truly mesmerizing and unforgettable experience? Join us on a journey like no other as we take you through our thrilling trip to the Jubilee, an...



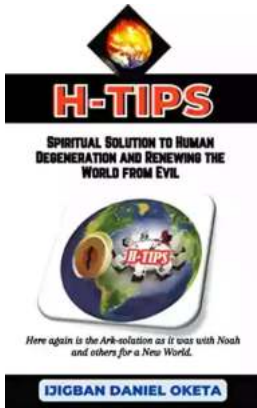
The Last Great Revolution: A Transformation That Shaped the Future

Throughout history, numerous revolutions have rocked the world, altering the course of societies and leaving an indelible mark on humanity. From the American Revolution to the...



The Cinder Eyed Cats: Uncovering the Mysteries of Eric Rohmann's Enchanting World

Have you ever come across a book that takes you on a magical journey, leaving you spellbound with its captivating illustrations and intriguing storyline? Well, look no...



Discover the Ultimate Spiritual Solution to Human Degeneration and Renew the World from Evil!

In today's fast-paced, modern world, it seems that human degeneration and the presence of evil continue to spread, wreaking havoc on our mental, emotional, and...