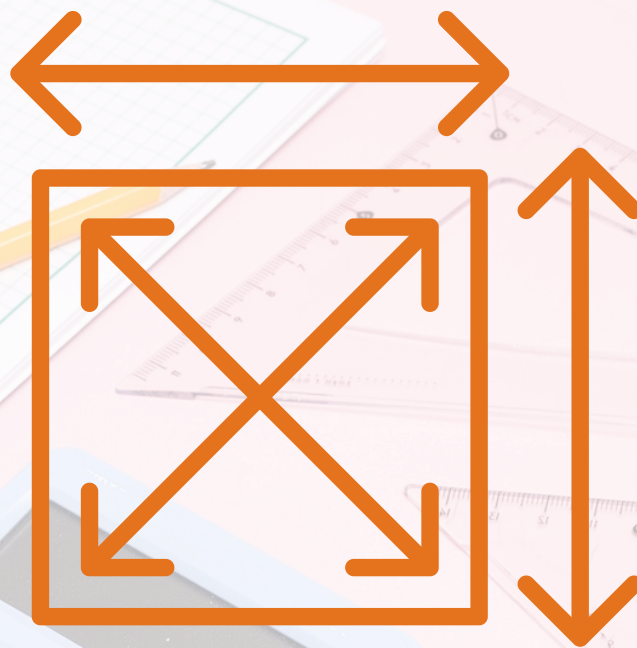




PERIMETER & AREA

Worksheet 5



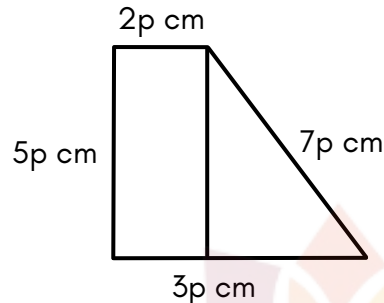
AIM FOR PROGRESS, NOT PERFECTION

1 2 3 4

1. A rectangular tank has a capacity of 24 l. If its length is twice its breadth and its height is $\frac{3^{th}}{4}$ its length, find its length.

- A. 25 cm B. 30 cm C. 40 cm D. 45 cm
-

2. If the perimeter of the given is 57 cm, find the perimeter of the triangle in the figure

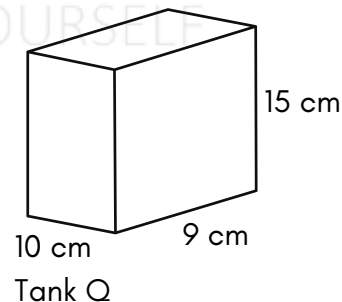
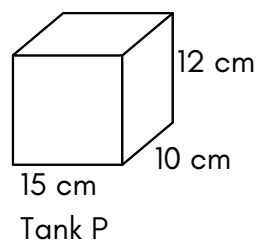


- A. 30 cm B. 45 cm C. 39 cm D. 3 cm
-

3. A wooden cuboid is 24 cm by 30 cm by 36 cm. Cubes of equal sides are cut off from all its corners. The volume of the remaining block is 20088 cm³. What is the length of the edge of each cube cut off from the cuboid?

- A. 6 cm B. 9 cm C. 1 cm D. 7 cm
-

4. An equal amount of water is poured into two empty, P and Q, as shown in the figure.



If Tank P is half – filled with water, what is the height of the water level in Tank Q?

- A. 7 cm B. 8 cm C. 9 cm D. 10 cm
-

5. What is the height of a cuboid of volume 216 cm³ if its length and breadth measure 8 cm and 6 cm ?

- A. 4.5 cm B. 6 cm C. 4.8 cm D. 9 cm
-

6. Two cylinders of equal volume have their heights in the ratio 2 : 1 . What is the ratio of their radii?

- A. 2 : 1 B. 1 : 2 C. $\sqrt{2} : 1$ D. $1 : \sqrt{2}$
-



scroll down for Answer key

7. A rope makes 260 rounds of a cylinder with base radius 20 cm. How many times can it go round a cylinder with base radius 26 cm ?

- A. 130 B. 300 C. 200 D. 150
-

8. An empty tank was $\frac{2}{5}$ full after 1.5 l of water was poured in it. The base area of the tank was 250 cm^2 . What was the height of the tank ?

- A. 15 cm B. 5 cm C. 4 cm D. 8 cm
-

9. If two cubes of dimensions 3 cm x 3 cm x 3 cm are placed side by side, what would the dimensions of the resulting cuboid be ?

- A. 6 cm x 6 cm x 6 cm B. 12 cm 12 cm x 12 cm
C. 9 cm x 6 cm x 3 cm D. 6 cm x 3 cm x 3 cm
-

10. If each edge of a cube is increased by 25%, what is the percentage increase in its surface area?

- A. 25% B. 48.75% C. 50% D. 56.25%
-



scroll down for Answer key



MeandMath
BELIEVE YOURSELF

BOOST YOUR MATH PERFORMANCE WITH MeandMath



Our Premium Batches are 1:1, 1:2, 1:3 and 1:6 & another batch is 1: many batches.



Clear Doubts, Master Concepts, Excel with Confidence.



Learn on Your Schedule with Our Class Recordings.



Stay Ahead, Stay Sharp: Conquer Daily Homework Hassle-Free



Level Up Weekly: Ace Assessments with Confidence and Ease

Join Our Live Classes

**Preparing for the
Math Olympiad?**

Book Now >

Register to MnM Olympiad

**Want to test your
International Math
Rank?**

Register Here >

Visit meandmath.com to learn more about us.



TM

MeandMath

BELIEVE YOURSELF

A Roadmap to Brilliance

Our curriculum paves the way.

○ **Core** ○ **Advanced** ○ **Scholar**

Visit meandmath.com for further details on Curriculum.

*“There are many
paths to success in
Math. We help all
students discover
theirs.”*

**Are you stuck, not sure how
to solve math problem?**

**Want to Super Charge your
Math skills with our World Class
practice content!**

**Join our Homework
Help Group!**

[Join Now](#)



**Subscribe today to
get a resource to
unlock the World of
Wisdom!**

[Subscribe Here](#)



Visit meandmath.com to learn more about us.

Answer Key

1. B
2. C
3. D
4. A
5. A
6. B
7. C
8. C
9. A
10. A



TM

MeandMath

BELIEVE YOURSELF