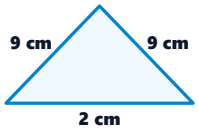
PanMaths.com
Perimeter Worksheets

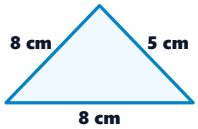
Name: _____
Date: _____ Score: ___ / 8

1. Triangle



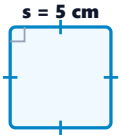
Perimeter (P) = ☐

2. Triangle



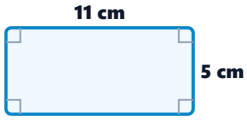
Perimeter (P) = ☐

3. Square



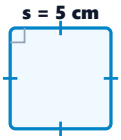
Perimeter (P) = ☐

4. Rectangle



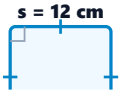
Perimeter (P) = ☐

5. Square



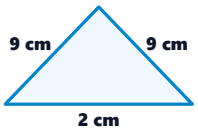
Perimeter (P) = ☐

6. Square



1.

Triangle

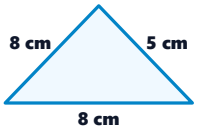


Perimeter (P) = **20 cm**

1. Identify Shape: Triangle (Side lengths = 9, 9, 2)
2. Perimeter Formula: P = a + b + c (Sum of all 3 sides)
3. Substitute Values: P = 9 + 9 + 2
4. Total Perimeter: P = 20 ✅

2.

Triangle

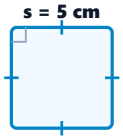


Perimeter (P) = **21 cm**

1. Identify Shape: Triangle (Side lengths = 8, 5, 8)
2. Perimeter Formula: P = a + b + c (Sum of all 3 sides)
3. Substitute Values: P = 8 + 5 + 8
4. Total Perimeter: P = 21 ✅

3.

Square

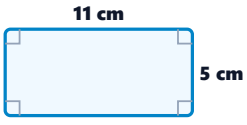


Perimeter (P) = **20 cm**

1. Identify Shape: Square (Side length = 5)
2. Perimeter Formula: P = 4 × Side = 4s
3. Substitute Values: P = 4 × 5
4. Total Perimeter: P = 20 ✅

4.

Rectangle



Perimeter (P) = **32 cm**

1. Identify Shape: Rectangle (Length = 11, Width = 5)

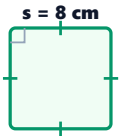
PanMaths.com

Area of Shapes Worksheets

Name: _____

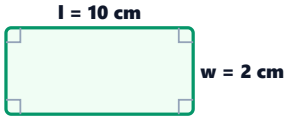
Date: _____ Score: ___ / 8

1. Square



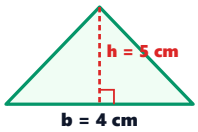
Area (A) = ☐

2. Rectangle



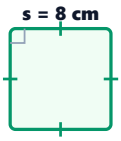
Area (A) = ☐

3. Triangle



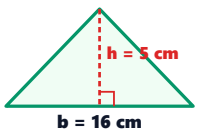
Area (A) = ☐

4. Square



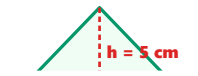
Area (A) = ☐

5. Triangle



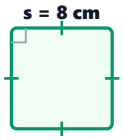
Area (A) = ☐

6. Triangle



1.

Square

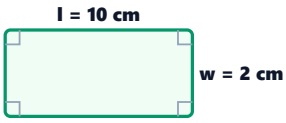


Area (A) = **64 cm²**

1. Identify Shape: Square (Side = 8 cm)
2. Area Formula: A = Side × Side = s²
3. Substitute Values: A = 8 × 8
4. Total Area: A = 64 cm² ✅

2.

Rectangle

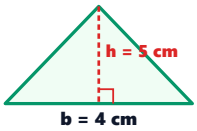


Area (A) = **20 cm²**

1. Identify Shape: Rectangle (Length = 10 cm, Width = 2 cm)
2. Area Formula: A = Length × Width = lw
3. Substitute Values: A = 10 × 2
4. Total Area: A = 20 cm² ✅

3.

Triangle

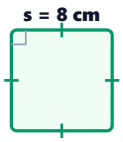


Area (A) = **10 cm²**

1. Identify Shape: Triangle (Base = 4 cm, Height = 5 cm)
2. Area Formula: A = ½ × Base × Height = ½bh
3. Substitute Values: A = ½ × 4 × 5 = 10
4. Total Area: A = 10 cm² ✅

4.

Square



Area (A) = **64 cm²**

1. Identify Shape: Square (Side = 8 cm)

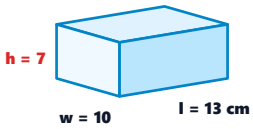
PanMaths.com

Volume of 3D Shapes Worksheets

Name: _____

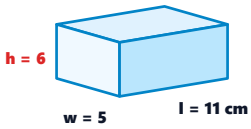
Date: _____ Score: ___ / 8

1. Rectangular-Prism



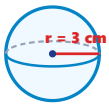
Volume (V) = ____

2. Rectangular-Prism



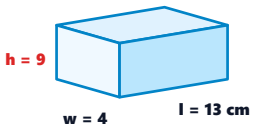
Volume (V) = ____

3. Sphere



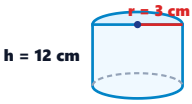
Volume (V) = ____

4. Rectangular-Prism



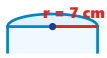
Volume (V) = ____

5. Cylinder



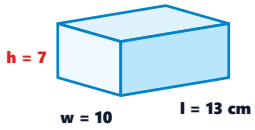
Volume (V) = ____

6. Cylinder



1.

Rectangular-Prism

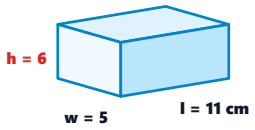


Volume (V) = **910**

1. Identify 3D Solid: Rectangular Prism (l = 13 cm, w = 10 cm, h = 7 cm)
2. Volume Formula: V = l × w × h
3. Calculation: 13 × 10 × 7 = 910
4. Total Volume: V = 910 cm³ ✅

2.

Rectangular-Prism

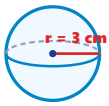


Volume (V) = **330**

1. Identify 3D Solid: Rectangular Prism (l = 11 cm, w = 5 cm, h = 6 cm)
2. Volume Formula: V = l × w × h
3. Calculation: 11 × 5 × 6 = 330
4. Total Volume: V = 330 cm³ ✅

3.

Sphere

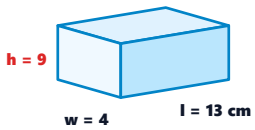


Volume (V) = **113.10**

1. Identify 3D Solid: Sphere (Radius r = 3 cm)
2. Volume Formula: V = (4/3)πr³ = (4/3) × π × (3)³
3. Substitute & Compute: V = (4/3) × π × 27
4. Total Volume: V ≈ 113.10 cm³ ✅

4.

Rectangular-Prism



Volume (V) = **468**

1. Identify 3D Solid: Rectangular Prism (l = 13 cm, w = 4 cm, h = 9 cm)

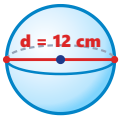
PanMaths.com

Volume of a Sphere Worksheets

Name: _____

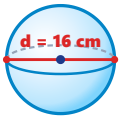
Date: _____ Score: ___ / 8

1. Volume ($\frac{4}{3}\pi r^3$)



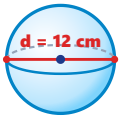
Volume (V) = _____

2. Volume ($\frac{4}{3}\pi r^3$)



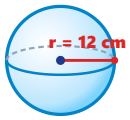
Volume (V) = _____

3. Volume ($\frac{4}{3}\pi r^3$)



Volume (V) = _____

4. Volume ($\frac{4}{3}\pi r^3$)



Volume (V) = _____

5. Volume ($\frac{4}{3}\pi r^3$)

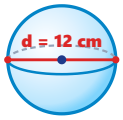


Volume (V) = _____

6. Volume ($\frac{4}{3}\pi r^3$)



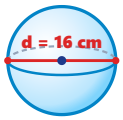
1. Volume ($(4/3)\pi r^3$)



Volume (V) = **288π cm³**

1. Find Radius from Diameter: r = d / 2 = 12 / 2 = 6 cm
2. Volume Formula: V = (4/3)πr³ = (4/3) × π × (6)³
3. Substitute & Compute r³: (6)³ = 216 → V = (288)π
4. Exact & Decimal Volume: V = 288π cm³ ≈ 904.78 cm³ ✅

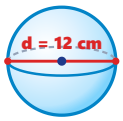
2. Volume ($(4/3)\pi r^3$)



Volume (V) = **$2048\pi/3$ cm³**

1. Find Radius from Diameter: r = d / 2 = 16 / 2 = 8 cm
2. Volume Formula: V = (4/3)πr³ = (4/3) × π × (8)³
3. Substitute & Compute r³: (8)³ = 512 → V = (2048/3)π
4. Exact & Decimal Volume: V = 2048π/3 cm³ ≈ 2144.66 cm³ ✅

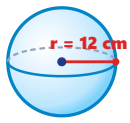
3. Volume ($(4/3)\pi r^3$)



Volume (V) = **288π cm³**

1. Find Radius from Diameter: r = d / 2 = 12 / 2 = 6 cm
2. Volume Formula: V = (4/3)πr³ = (4/3) × π × (6)³
3. Substitute & Compute r³: (6)³ = 216 → V = (288)π
4. Exact & Decimal Volume: V = 288π cm³ ≈ 904.78 cm³ ✅

4. Volume ($(4/3)\pi r^3$)



Volume (V) = **2304π cm³**

1. Given Sphere Dimension: Radius r = 12 cm