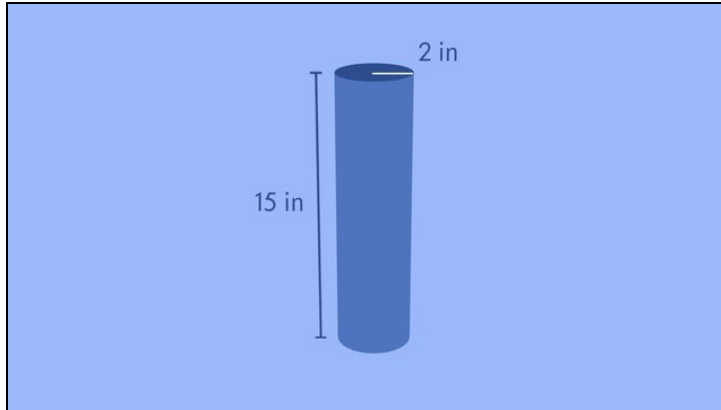


Worksheets to print out from [sofatutor.com](https://www.sofatutor.com)

Surface Area of Simple 3D Shapes



- 1 **Compute the area of each shape.**
- 2 Find the surface area of each prism.
- 3 Identify the formula for the surface area of each prism.
- 4 Determine the surface area of each prism.
- 5 Calculate the surface area of the given composite 3D object.
- 6 Find the surface area of the composite 3D object.
- + with many hints, answer keys, and solution approaches for all tasks



The complete package, **including all tasks, hints, solutions, and solution approaches**, is available to all subscribers of [sofatutor.com](https://www.sofatutor.com)

Compute the area of each shape.

Assign the area formula and value of the area to the correct shape.

1
 $A \approx 28.26 \text{ in}^2$

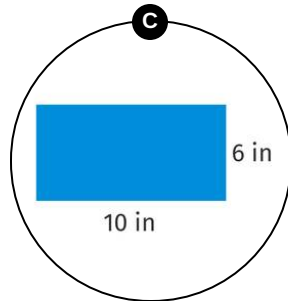
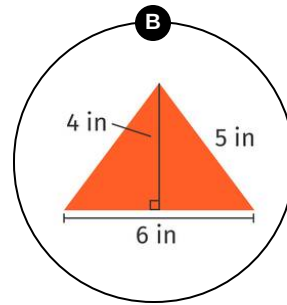
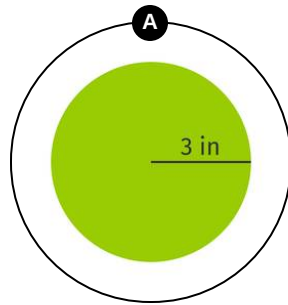
2
 $A = lw$

3
 $A = 60 \text{ in}^2$

4
 $A = 12 \text{ in}^2$

5
 $A = \frac{1}{2}bh$

6
 $A = \pi r^2$



Our hints for the tasks



Compute the area of each shape.

1. Hint

3.14 can be used as an approximation for pi, π .

2. Hint

The radius, r , is a straight line from the center to the circumference of a circle.

3. Hint

The area for a triangle with a base of 4 in and height of 8 in, is 16 in^2 .

Solutions and solution approaches for the tasks



Compute the area of each shape.

Answer key: A: 1, 6 // B: 4, 5 // C: 2, 3

Green Circle

- The area formula for a circle is $A = \pi r^2$, where r represents the radius.
- The image shows that the radius is 3 in.
- $A = \pi(3^2) \text{ in}^2$
- $A \approx 3.14(9) \text{ in}^2$
- $A \approx 28.26 \text{ in}^2$

Orange Triangle

- The area formula for a triangle is $A = \frac{1}{2}bh$, where b represents the base and h represents the height.
- The image shows that the base is 6 in and the height is 4 in.
- $A = \frac{1}{2}(6)(4) \text{ in}^2$
- $A = 3(4) \text{ in}^2$
- $A = 12 \text{ in}^2$

Blue Rectangle

- The area formula for a rectangle is $A = lw$, where l represents the length and w represents the width.
- The image shows that the length is 10 in and the width is 6 in.
- $A = 10(6) \text{ in}^2$
- $A = 60 \text{ in}^2$