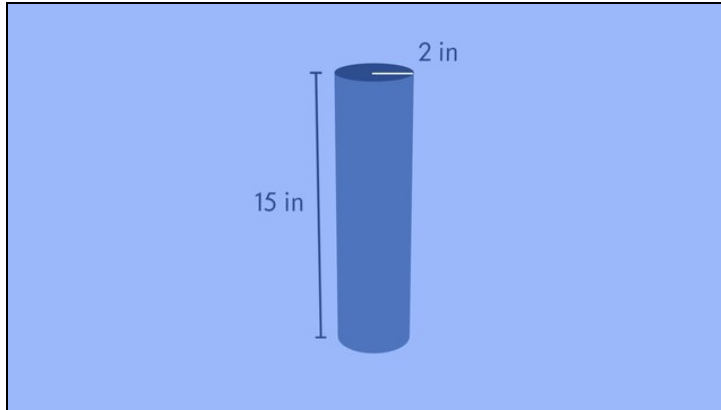




Printable Worksheets from [sofatutor.com](https://www.sofatutor.com)

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 lots of tips, answer keys, and detailed answer explanations for all of the problems.



The complete package, including all problems, hints, answers, and detailed answer explanations is available for all [sofatutor.com](https://www.sofatutor.com) subscribers.



Hints for solving these problems

1
of 6

Compute the area of each shape.

Hint #1

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

Hint #2

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

Hint #3

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



Answers and detailed answer explanations for these problems

1
of 6

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.
- $A = 10(6) \text{ in}^2$
- $A = 60 \text{ in}^2$