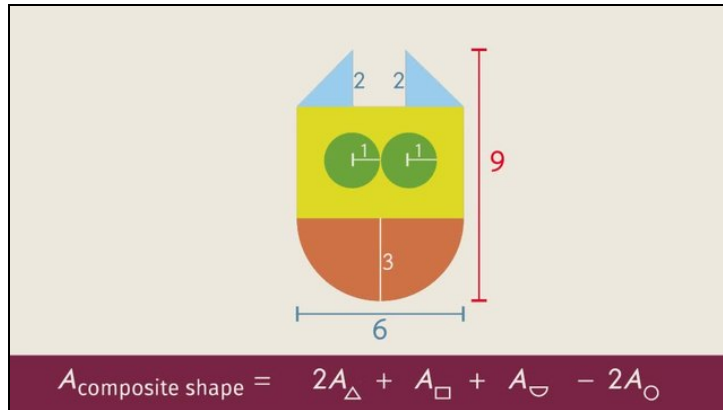




Printable Worksheets from [sofatutor.com](https://www.sofatutor.com)

Composite Area Problems



- 1 Find the formula for the area of each given shape.
 - 2 Choose the geometric shapes that the pendant is composed of.
 - 3 Calculate the area of the pendant.
 - 4 Determine the area.
 - 5 Calculate the area of the wooden heart.
 - 6 Find the correct statements about the colored shape.
- + 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.



Find the formula for the area of each given shape.

Fill in the blanks.

$\frac{1}{2}(\text{width})(\text{height})$

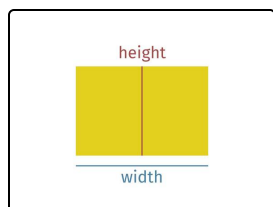
$\pi(\text{radius})^2$

$(\text{base})(\text{height})$

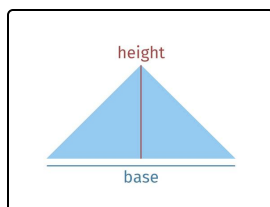
$(\text{width})(\text{height})$

$\frac{1}{2}\pi(\text{radius})^2$

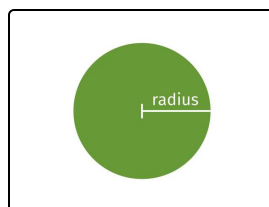
$\frac{1}{2}(\text{base})(\text{height})$



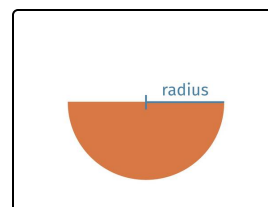
.....1



.....2



.....3



.....4



Hints for solving these problems

1
of 6

Find the formula for the area of each given shape.

Hint #1

The area of a half circle is half of the area of a circle.

Hint #2

π is used to determine the area or the circumference of a circle.

Hint #3

A right triangle is half of a rectangle.



Answers and detailed answer explanations for these problems

1
of 6

Find the formula for the area of each given shape.

Answer key: 1: (width)(height) // 2: $\frac{1}{2}(\text{base})(\text{height})$ // 3: $\pi(\text{radius})^2$ // 4: $\frac{1}{2}\pi(\text{radius})^2$

To calculate the areas we want, we need a few formulas:

- Rectangle: $A_{\text{rectangle}} = (\text{width})(\text{height})$
- Triangle: $A_{\text{triangle}} = \frac{1}{2}(\text{base})(\text{height})$
- Circle: $A_{\text{circle}} = \pi(\text{radius})^2$
- Half circle: $A_{\text{half circle}} = \frac{1}{2}\pi(\text{radius})^2$