



**THIRD SPACE  
LEARNING**

# Area of Composite Shapes Worksheet

**Geometry**

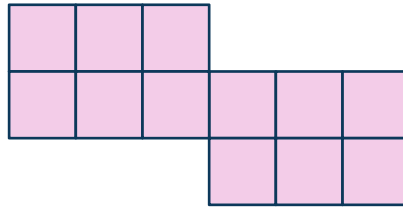
**Grades 1 to 3**

## Skill Questions

Name: .....

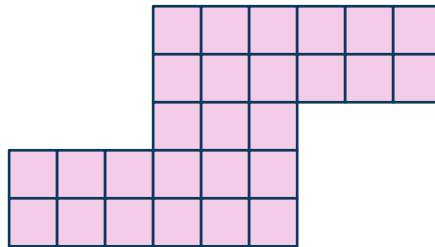
Date: .....

- 1 What is the area of the figure?



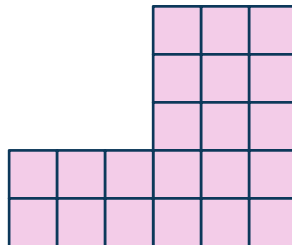
Answer

- 2 What is the area of the figure?



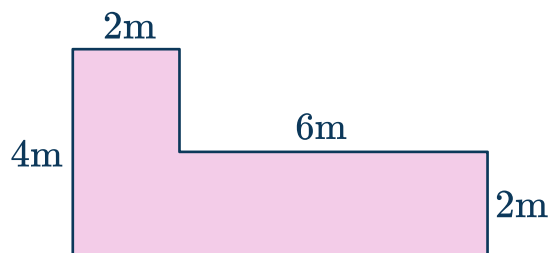
Answer

- 3 Write an equation to represent the total area as the area of two rectangles.



\_\_\_\_\_ x \_\_\_\_\_ + \_\_\_\_\_ x \_\_\_\_\_ = \_\_\_\_\_

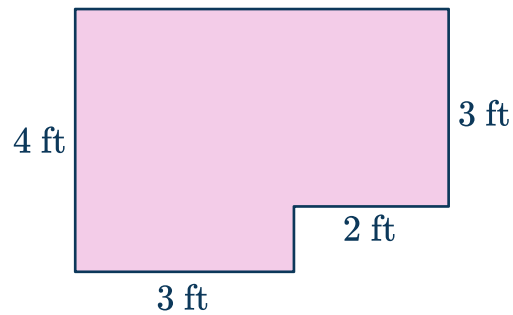
- 4 Split the figure into two rectangles. Then calculate the area.



Answer

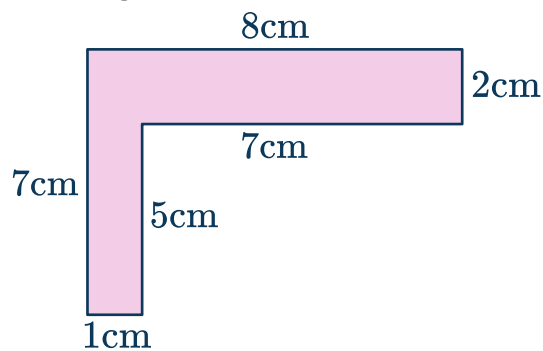
## Area of Composite Shapes Worksheet | Grades 1 to 3

- 5 Split the figure into two rectangles. Then calculate the area.



Answer

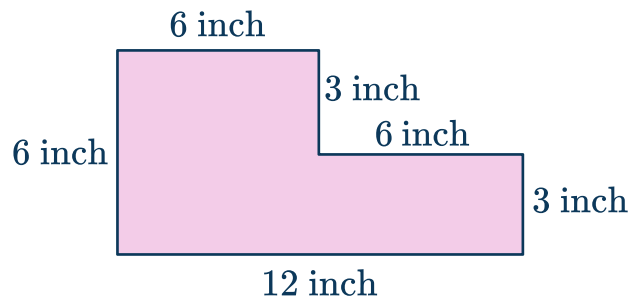
- 
- 6 Calculate the area of the figure.



Answer

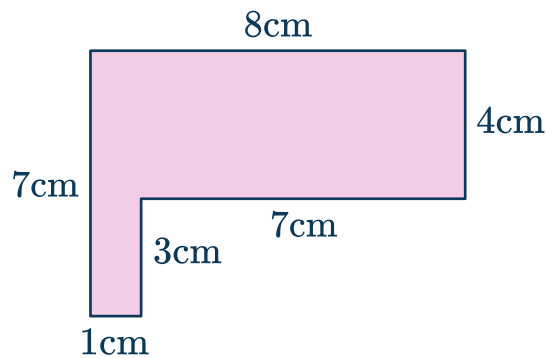
## Area of Composite Shapes Worksheet | Grades 1 to 3

7 Calculate the area of the figure.



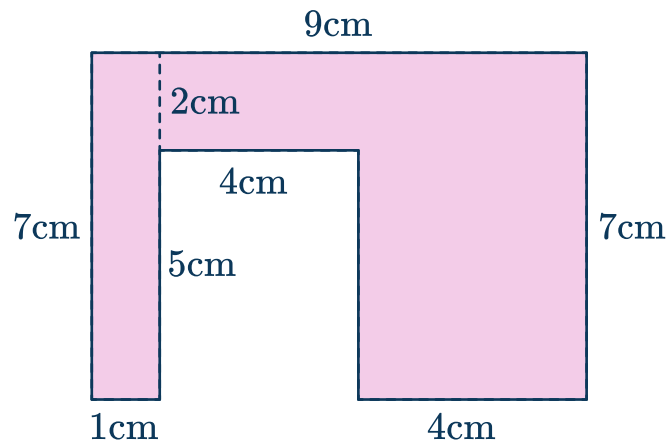
Answer

8 Write an equation to represent the total area as the area of two rectangles.



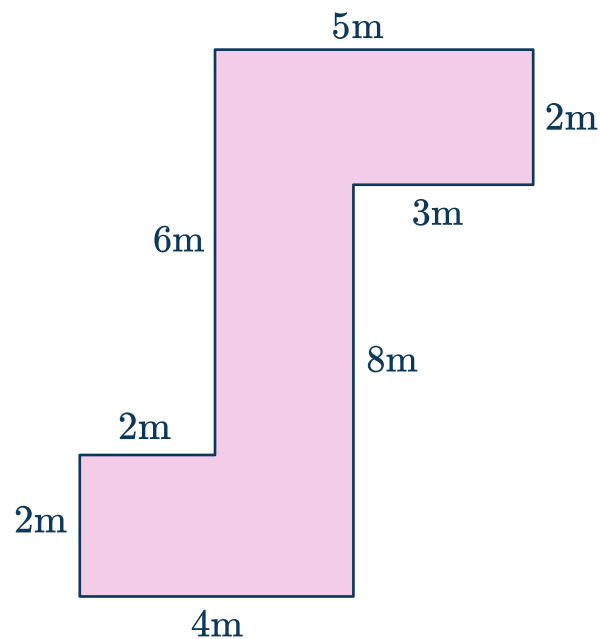
\_\_\_\_\_ x \_\_\_\_\_ + \_\_\_\_\_ x \_\_\_\_\_ = \_\_\_\_\_

- 9 Split the figure into three rectangles. Then calculate the area.



Answer

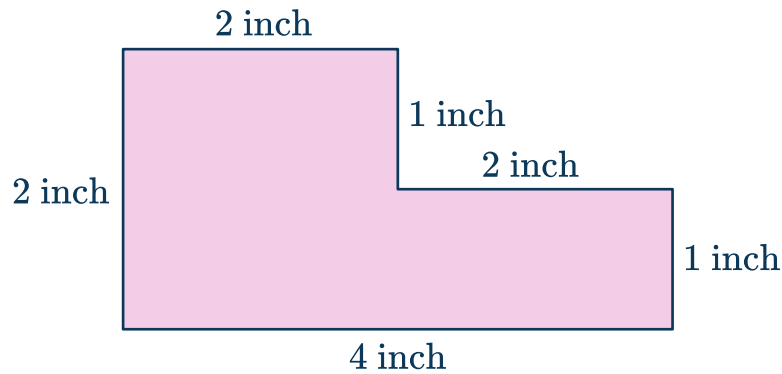
- 10 Split the figure into three rectangles. Then calculate the area.



Answer

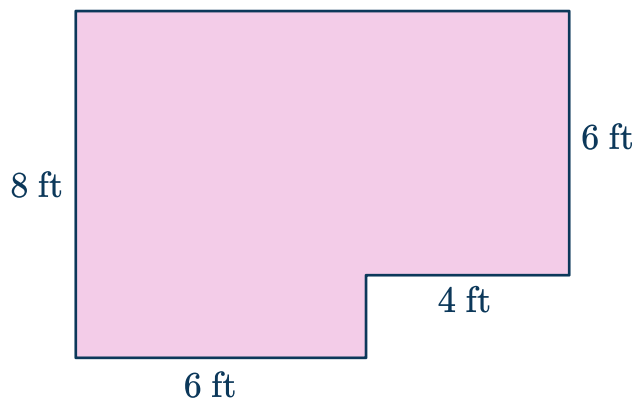
## Applied Questions

- 11** Show two different ways to solve for the total area.



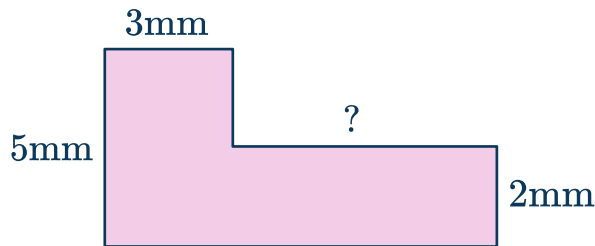
Answer

- 12** To solve for the total area of the figure below, Deandre writes  $6 \times 10 + 2 \times 6$ . Is Deandre correct? Why or why not?



Answer

- 13 The area of the figure is  $27 \text{ mm}^2$ .



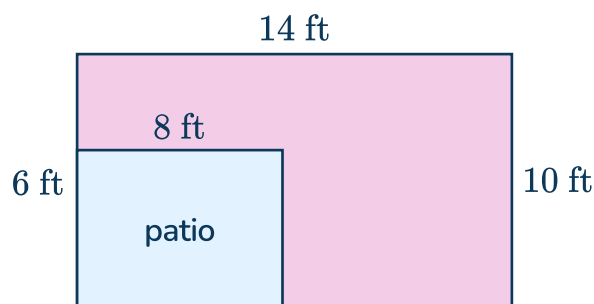
Answer

What is the length of the missing side?

- 14 Emilio has a rectangular piece of paper that measures 8 inches by 11 inches. He cuts off a small rectangle from the corner of the paper that measures 2 inches by 3 inches. What is the area of the non cut paper left?

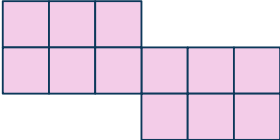
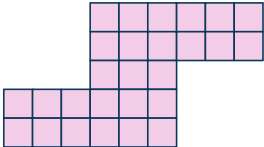
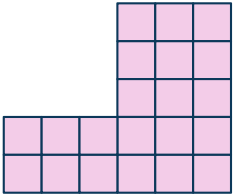
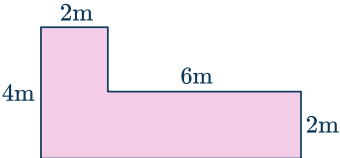
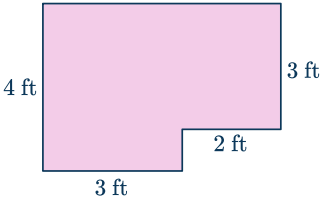
Answer

- 15 Harley is adding a rectangular garden to her backyard. It will share one side with the patio. The total area of the patio and garden will be  $72 \text{ ft}^2$ .



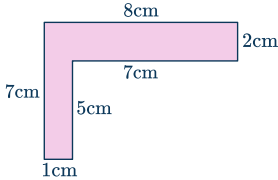
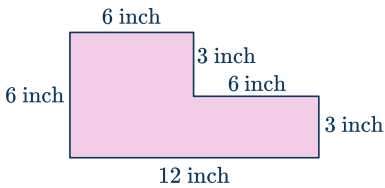
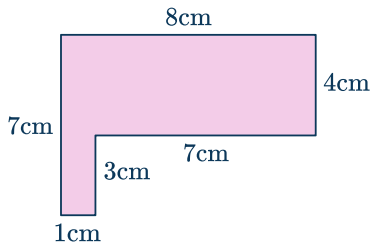
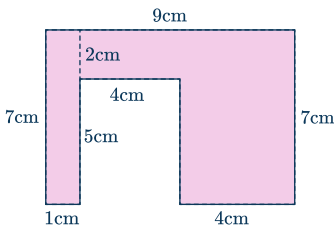
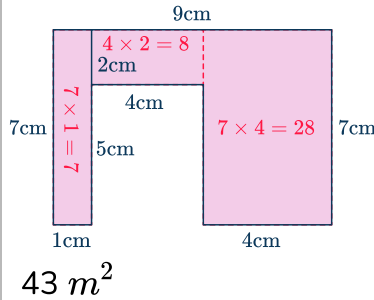
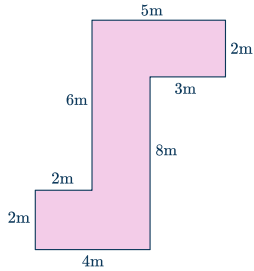
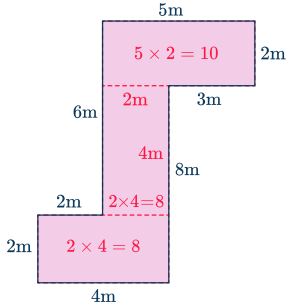
Draw a possible location of Harley's new garden. Label the length and the width.

## Answers

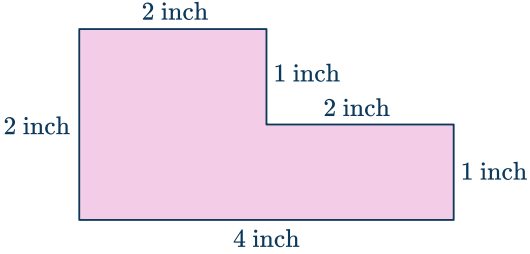
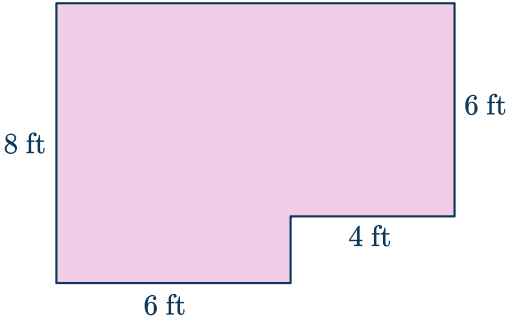
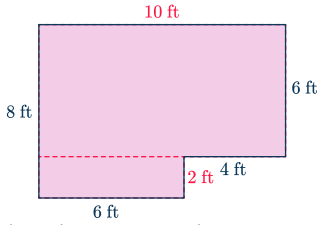
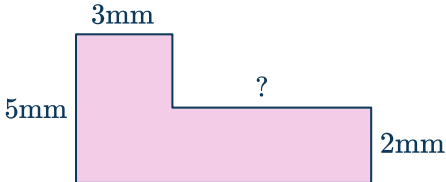
Question number	Question	Answers	Standard
1	What is the area of the figure? 	12 square units	3.MD.C.7.d
2	What is the area of the figure? 	27 square units	3.MD.C.7.d
3	Write an equation to represent the total area as the area of two rectangles.  _____ + _____ _____ = _____	$2 \times 6 + 3 \times 3 = 21$  OR  $3 \times 5 + 2 \times 3 = 21$	3.MD.C.7.d
4	Split the figure into two rectangles. Then calculate the area. 	$20 \text{ m}^2$	3.MD.C.7.d
5	Split the figure into two rectangles. Then calculate the area. 	$18 \text{ ft}^2$	3.MD.C.7.d



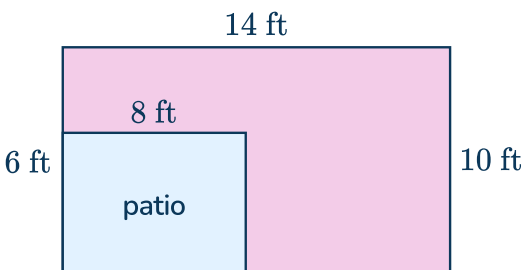
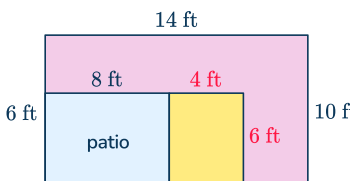
# Area of Composite Shapes Worksheet | Grades 1 to 3

Question number	Question	Answers	Standard
6	Calculate the area of the figure. 	$21 \text{ cm}^2$	3.MD.C.7.d
7	Calculate the area of the figure. 	$54 \text{ inch}^2$	3.MD.C.7.d
8	Write an equation to represent the total area as the area of two rectangles.  _____ x _____ + _____ x _____ _____ = _____	$1 \times 7 + 7 \times 4 = 35$  OR  $1 \times 3 + 8 \times 4 = 35$	3.MD.C.7.d
9	Split the figure into three rectangles. Then calculate the area. 	 $43 \text{ m}^2$	3.MD.C.7.d
10	Split the figure into three rectangles. Then calculate the area. 	 $26 \text{ m}^2$	3.MD.C.7.d

## Area of Composite Shapes Worksheet | Grades 1 to 3

Question number	Question	Answers	Standard
11	<p>Show two different ways to solve for the total area.</p> 	$2 \times 2 + 2 \times 1 = 6$  OR  $2 \times 1 + 1 \times 4 = 6$  OR  $2 \times 4 - 1 \times 2 = 6$	3.MD.C.7.d
12	 <p>To solve for the total area of the figure above, Deandre writes <math>6 \times 10 + 2 \times 6</math>.</p>	<p><i>Explanations will vary.</i></p> <p>Example Answer:</p>  <p>Yes, because the top side is the same as the 6 ft and 4 ft parts put together. That makes <math>6 \times 10</math>. And the bottom rectangle has a width of 2 ft, because <math>6 + 2 = 8</math>. So the bottom rectangle is <math>2 \times 6</math> and you add both to find the area of the whole figure.</p>	3.MD.C.7.d
13	<p>The area of the figure is <math>27 \text{ mm}^2</math>.</p>  <p>What is the length of the missing side?</p>	6 mm	3.MD.C.7.d

## Area of Composite Shapes Worksheet | Grades 1 to 3




Question number	Question	Answers	Standard
14	Emilio has a rectangular piece of paper that measures 8 inches by 11 inches. He cuts off a small rectangle from the corner of the paper that measures 2 inches by 3 inches. What is the area of the non cut paper left?	$82 \text{ inches}^2$	3.MD.C.7.d
15	<p>Harley is adding a rectangular garden to her backyard. It will share one side with the patio. The total area of the patio and garden will be <math>72 \text{ ft}^2</math>.</p>  <p>Draw a possible location of Harley's new garden. Label the length and the width.</p>	<p><i>The rectangle should have an area of <math>24 \text{ ft}^2</math>, but location and dimensions may vary.</i></p> <p>Example answer:</p> 	3.MD.C.7.d

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