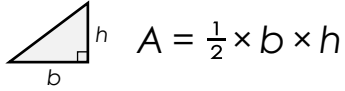


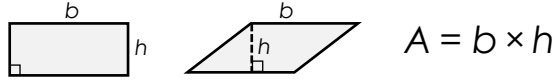
Name: \_\_\_\_\_

# Area of a Parallelogram Challenges

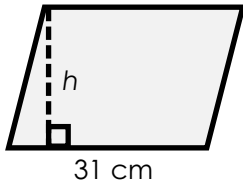
**Formula for triangle:**



**Formula for parallelogram or rectangle:**

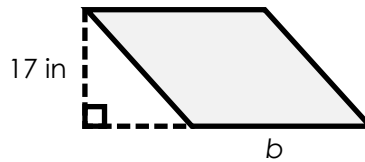


a. Find the height.



The area of this

b. Find the length of the base.

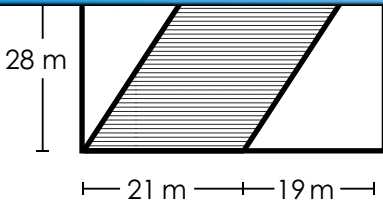


The area of this



# Preview

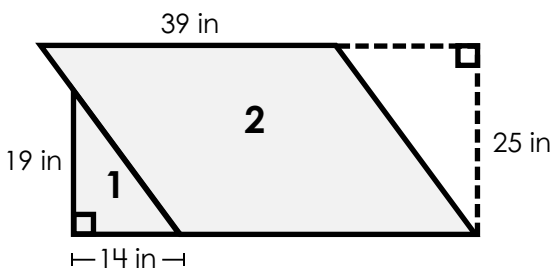
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(shaded area).

area = \_\_\_\_\_ area = \_\_\_\_\_ area = \_\_\_\_\_

f. Calculate the area of the shape.

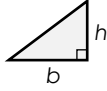


area = \_\_\_\_\_

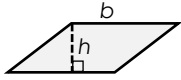

# ANSWER KEY

## Area of a Parallelogram Challenges

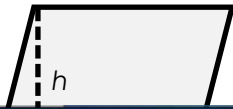
Formula for triangle:


$$A = \frac{1}{2} \times b \times h$$

Formula for parallelogram or rectangle:


$$A = b \times h$$

a. Find the height.



$$682 = 31 \times h$$

$$682 = 31 \times h$$

b. Find the length of the base.



$$442 = b \times 17$$

$$442 = b \times 17$$

# Preview

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area = 1,106 m