Area of Quadrilaterals

Area of a Rhombus:

A =

Parallelogram

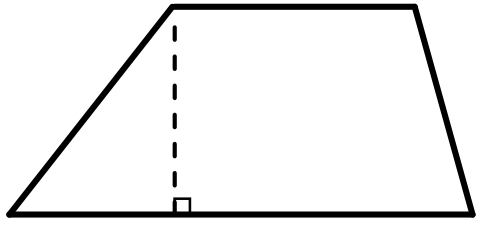
1. Find the area of the parallelogram.

Area of a Parallelogram:

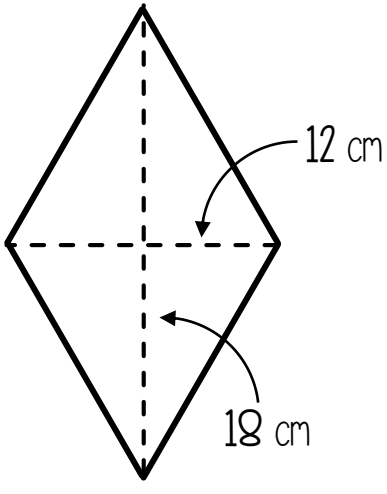
A =

Area of a Trapezoid:

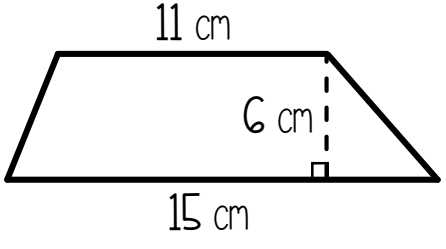
A =



❸ Find the area of the rhombus.



❷ Find the area of the trapezoid.



Rhombus

Trapezoid

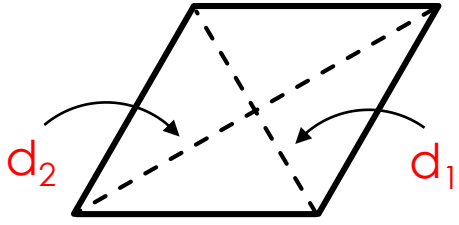
Answer Key!

Area of Quadrilaterals

Area of a Rhombus:

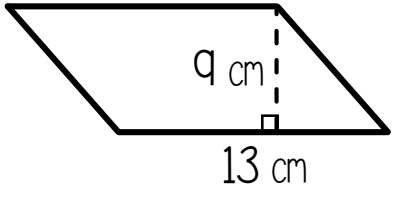
⋆Half of the product of its two diagonals.

$$A = \frac{1}{2}d_1d_2$$



Parallelogram

❶ Find the area of the parallelogram.



$A = bh$
$A = 9(13)$
$A = 117\ cm^2$

Area of a Parallelogram:

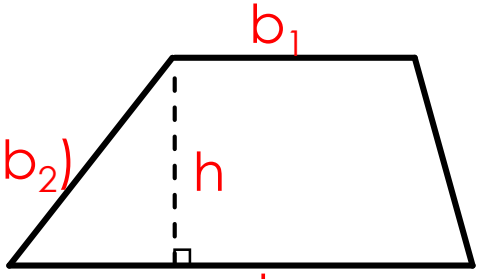
⋆The product of its base (b) and its height (h).

$A = bh$

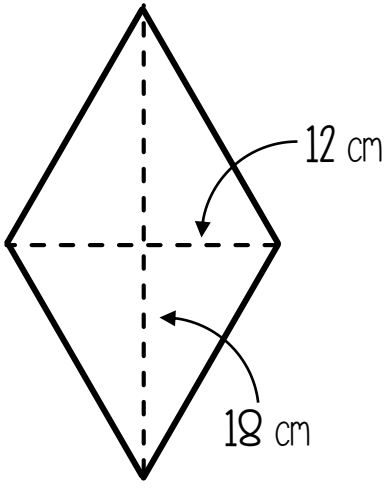
Area of a Trapezoid:

⋆Half of its height multiplied by the sum of the lengths of the two bases.

$A = \frac{1}{2}h(b_1 + b_2)$



❸ Find the area of the rhombus.

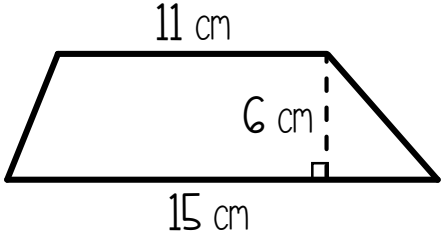


$A = \frac{1}{2}d_1d_2$

$A = \frac{1}{2}(12)(18)$

$A = 108\ cm^2$

❷ Find the area of the trapezoid.



$A = \frac{1}{2}h(b_1 + b_2)$

$A = \frac{1}{2}(6)(11 + 15)$

$A = (3)(26)$

$A = 78\ cm^2$

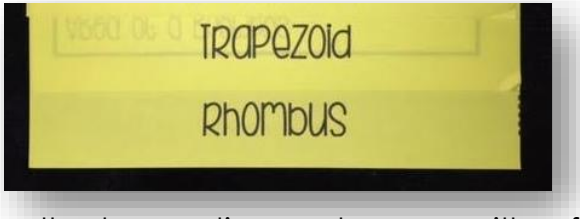
Rhombus

Trapezoid

Directions

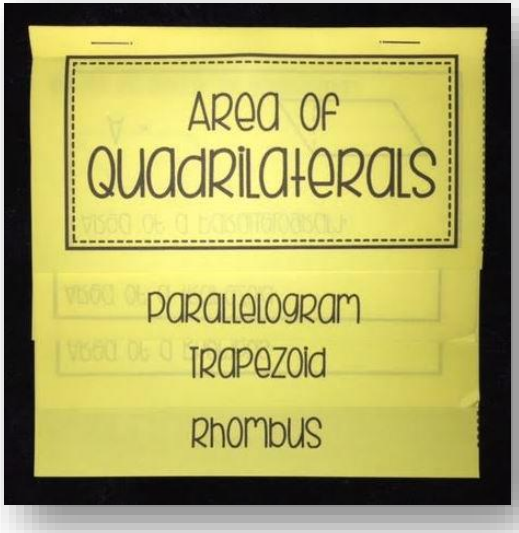
Print pages 1 & 2 front-to-back (3 & 4 for the answer key) Note: If you would like to include a tab for formulas instead of nets, print page 5 & 6 (7 & 8 for the answer key), instead. On my printer, I use the option to print **double-sided and to flip along the long edge**.

Have students cut the page in half (along the dashed line). Then they will line up the bottom of the two pieces as shown:



Next, fold over the top portion and secure with a few staples.

The final product should look like this:



Credits:

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KG Geronimo Blocks

Please email me at ljudd1@gmail.com with questions, concerns, or requests.