Name: _____

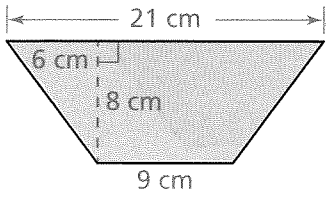
PRACTICE TUTORIAL

Practice & Problem Solving

Scan for Multimedia

Leveled Practice **In 7–12, find the area of each trapezoid or kite.**

7.



Each triangle:

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

$= \frac{1}{2} \times \square \times 8$

$= \square$ cm^2

Rectangle:

$A = \ell w$

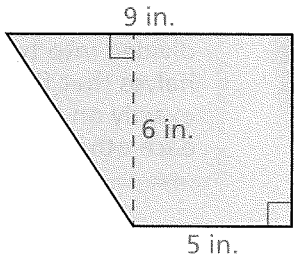
$= \square \times 8$

$= \square$ cm^2

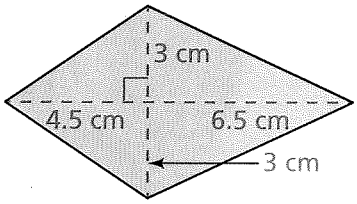
Trapezoid:

$A = \square + \square + \square = \square$ cm^2

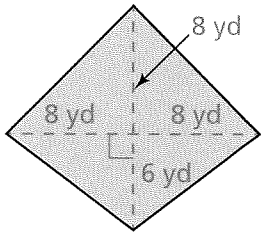
8.



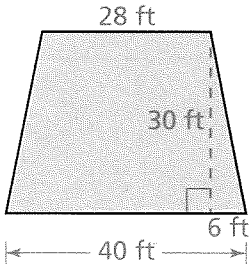
9.



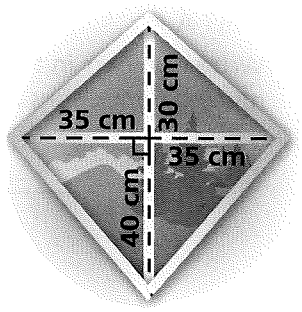
10.



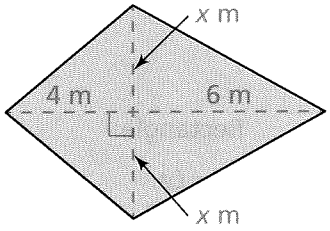
11. A sidewall of a building is shown below. What is the area of the wall?



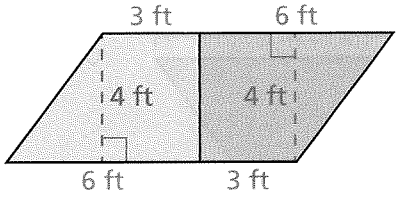
12. **Be Precise** The window has the shape of a kite. How many square meters of glass were used to make the window?



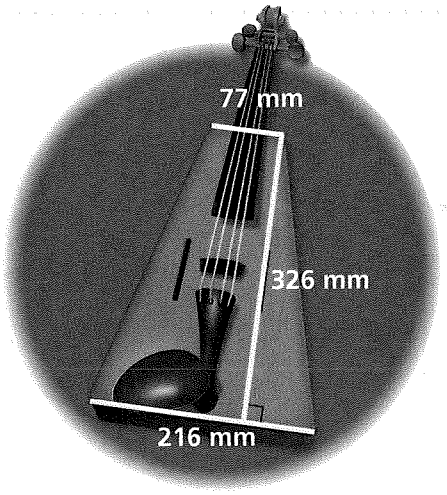
13. The area of the kite is 30 m^2. What is the value of x? Explain.



14. **Make Sense and Persevere** Hunter drew two identical trapezoids and composed them to form a parallelogram. Use the area of the parallelogram to find the area of one trapezoid. Explain.



15. **Higher Order Thinking** A craftsman wants to build this symmetrical fiddle. He needs to know the area of the face of the fiddle. How could he use the measurements shown to find the area? Use your strategy to find the area of the face of the fiddle.



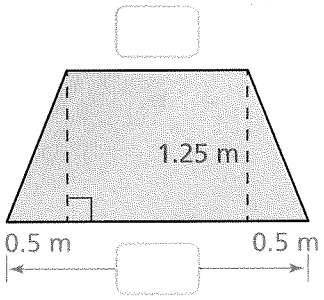
The figure is symmetrical because it can be divided into two halves that fit exactly on top of each other.

Assessment Practice

16. Marique is making a large table in the shape of a trapezoid. She needs to calculate the area of the table. The longest side of the table is twice as long as the table's width.

PART A

Write numbers in the boxes to show the missing dimensions.



PART B

What is the area of the table?