

Lesson 5-1 • Apply Day

Reinforce Understanding

Area of Rhombuses

I can find the area of a parallelogram using base $\times$ height.

Worked model

A rhombus has a side length of 13 cm and a perpendicular height of 8 cm. Find the area.

1. A rhombus IS a parallelogram, so use $A = b \times h$.
2. Any side can be the base. $b = 13$ cm
3. Use the perpendicular height, never a slanted side. $h = 8$ cm
4. Multiply and label square units. $13 \times 8 = 104$

Answer: The area of the rhombus is 104 square centimeters (104 cm^2).

Practice

Complete each exercise. Show the reasoning that supports your answer.

1. Find the area of a new parallelogram with base 5 and perpendicular height 3.

Complete each step, then write the final answer.

1. Use the perpendicular height: ____.
2. $\text{Area} = 5 \times 3 =$ ____.

Answer: _____

2. Find the area of a new parallelogram with base 6 and perpendicular height 5.

Complete each step, then write the final answer.

1. Use the perpendicular height: ____.
2. $\text{Area} = 6 \times 5 =$ ____.

Answer: _____

3. Find the area of a new parallelogram with base 7 and perpendicular height 7.

Complete each step, then write the final answer.

1. Use the perpendicular height: ____.
2. $\text{Area} = 7 \times 7 =$ ____.

Answer: _____