

Chapter 3 | Perimeter and Area Foundations

Worksheet A | Guided Practice

Name: _____ Grade: _____ Date: _____

Warm-up: Worked Examples

Example 1: Identify the Measurement

Problem: A gardener needs fencing around a rectangular garden. Should the gardener find perimeter or area?

Fencing = around $\Rightarrow$ perimeter

Example 2: Find the Perimeter of a Rectangle

Problem: A bulletin board is 9 cm long and 4 cm wide. Find its perimeter.

Add all sides $\Rightarrow 9 + 4 + 9 + 4 = 26$

Answer $\Rightarrow 26$ cm

Example 3: Find the Area of a Rectangle

Problem: A classroom rug is 7 m long and 5 m wide. Find its area.

Multiply $\Rightarrow 7 \times 5 = 35$

Answer $\Rightarrow 35$ m²

Example 4: Same Rectangle, Two Measurements

Problem: A rectangle is 12 cm by 3 cm. Find both perimeter and area.

Perimeter $\Rightarrow 12 + 3 + 12 + 3 = 30$ cm

Area $\Rightarrow 12 \times 3 = 36$ cm²

Example 5: Perimeter and Area of a Square

Problem: A square has side length 6 m. Find its perimeter and area.

Perimeter $\Rightarrow 4 \times 6 = 24$ m

Area $\Rightarrow 6^2 = 36$ m²

Example 6: Common-Trap Formula Choice

Problem: A rectangle is 11 cm by 4 cm. A student says $11 \times 4 = 44$, so the perimeter is 44 cm. Explain the mistake.

Wrong (area, not perimeter) $\Rightarrow 11 \times 4 = 44$ cm²

Correct perimeter $\Rightarrow 11 + 4 + 11 + 4 = 30$ cm

Practice

1. A fence around a dog park

2. A rectangle is 6 cm by 4 cm. Find the perimeter.

3. A rectangle is 6 cm by 4 cm. Find the area.

4. Tiles covering a kitchen floor

5. A rectangle is 10 m by 3 m. Find the perimeter.

6. A rectangle is 10 m by 3 m. Find the area.

7. Trim around a bulletin board

8. A square has side length 5 cm. Find its perimeter.

9. Paint covering a wall

10. A rectangle is 9 cm by 2 cm. Find the perimeter.

11. A rectangle is 9 cm by 2 cm. Find the area.

12. A path around a garden

13. A square has side length 5 cm. Find its area.

14. New sod for a soccer field

15. A ribbon wrapped around a gift box lid
