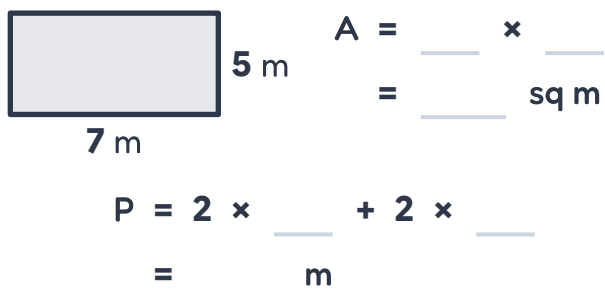


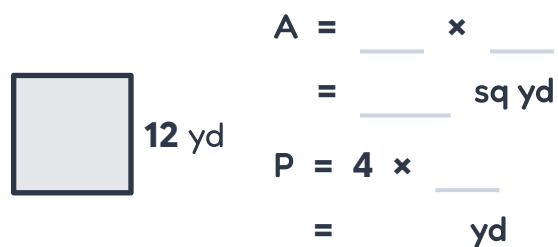
# Area and Perimeter

## Unit Review (page 1 of 2)

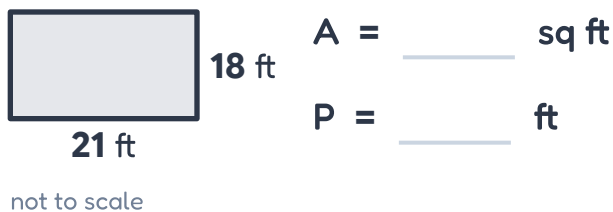
1. Use the formulas to find the area and the perimeter.



2. The shape is a square. Find its area and its perimeter.



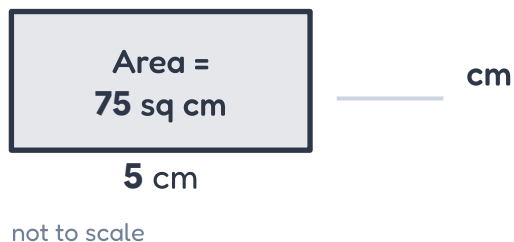
3. Find the area and the perimeter. Show your work.



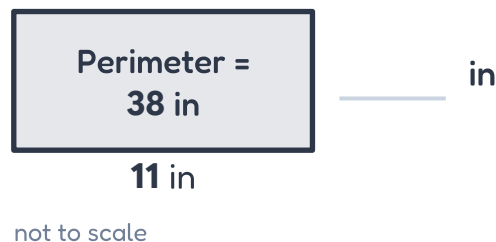
4. Each rectangle's sides are in meters. Fill in the table.

| Length | Width | Area | Perimeter |
|--------|-------|------|-----------|
| 64     | 5     |      |           |
| 25     | 16    |      |           |

5. Use the area to find the missing side.



6. Use the perimeter to find the missing side.



# Area and Perimeter

## Unit Review (page 2 of 2)

7. Read the story. Then answer.

A poster is **18** inches long and **11** inches wide. How many square inches does it cover?

\_\_\_\_\_ square inches

8. Read the story. Then answer.

A dog run has an area of **72** square meters. It is **9** meters wide. How long is it?

\_\_\_\_\_ meters

9. The rectangles have the same area. Write each perimeter. Circle the one with the greater perimeter.

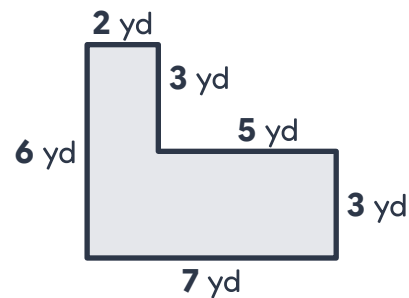


P = \_\_\_\_\_

P = \_\_\_\_\_

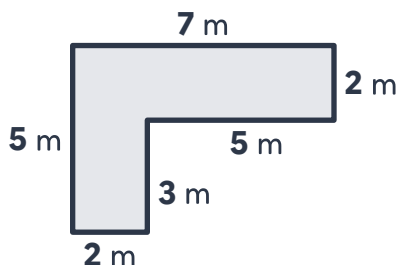
Each area = \_\_\_\_\_ square units

10. Split the shape into two rectangles. Find its area.



Area = \_\_\_\_\_ sq yd

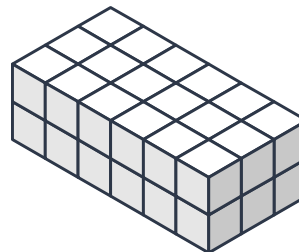
11. Find the perimeter and the area of the shape.



Perimeter = \_\_\_\_\_ m

Area = \_\_\_\_\_ sq m

12. The box is filled with unit cubes. Find the volume.



Bottom layer: \_\_\_\_\_

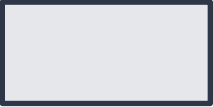
Layers: \_\_\_\_\_

Volume = \_\_\_\_\_ cubic units

# Area and Perimeter

## Unit Review (page 1 of 2)

1. Use the formulas to find the area and the perimeter. either order



$$A = \underline{7} \times \underline{5}$$

$$= \underline{35} \text{ sq m}$$

$$P = 2 \times \underline{7} + 2 \times \underline{5}$$

$$= \underline{24} \text{ m}$$

Lesson 12.1 · Area and perimeter formulas

2. The shape is a square. Find its area and its perimeter.



$$A = \underline{12} \times \underline{12}$$

$$= \underline{144} \text{ sq yd}$$

$$P = 4 \times \underline{12}$$

$$= \underline{48} \text{ yd}$$

Lesson 12.1 · Area and perimeter formulas

3. Find the area and the perimeter. Show your work.



$$A = \underline{378} \text{ sq ft}$$

$$P = \underline{78} \text{ ft}$$

not to scale

Lesson 12.2 · Larger side lengths

4. Each rectangle's sides are in meters. Fill in the table.

| Length | Width | Area | Perimeter |
|--------|-------|------|-----------|
| 64     | 5     | 320  | 138       |
| 25     | 16    | 400  | 82        |

Lesson 12.2 · Larger side lengths

5. Use the area to find the missing side.



$$\underline{15} \text{ cm}$$

not to scale

Lesson 12.3 · Find an unknown side

6. Use the perimeter to find the missing side.



$$\underline{8} \text{ in}$$

not to scale

Lesson 12.3 · Find an unknown side

# Area and Perimeter

## Unit Review (page 2 of 2)

7. Read the story. Then answer.

A poster is **18** inches long and **11** inches wide. How many square inches does it cover?

198 square inches

Lesson 12.4 · Area and perimeter stories

8. Read the story. Then answer.

A dog run has an area of **72** square meters. It is **9** meters wide. How long is it?

8 meters

Lesson 12.4 · Area and perimeter stories

9. The rectangles have the same area. Write each perimeter. Circle the one with the greater perimeter.



P = 24



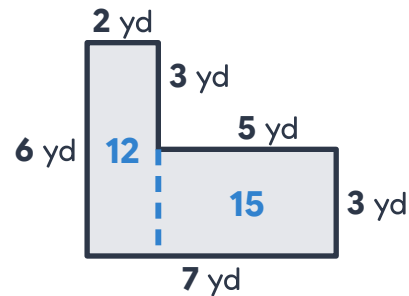
P = 36

Each area = 32 square units

Lesson 12.5 · Same perimeter or same area

10. Split the shape into two rectangles. Find its area.

One way

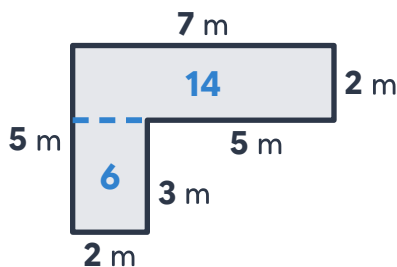


Area = 27 sq yd

Lesson 12.6 · Shapes made of rectangles

11. Find the perimeter and the area of the shape.

One way

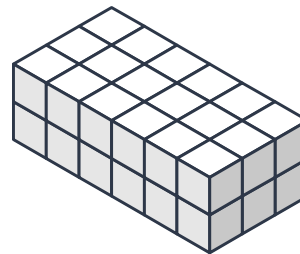


Perimeter = 24 m

Area = 20 sq m

Lesson 12.6 · Shapes made of rectangles

12. The box is filled with unit cubes. Find the volume.



Bottom layer: 18

Layers: 2

Volume = 36 cubic units

Lesson 12.7 · Volume with unit cubes