Name & Surname: _____ Class: _____ Date: _____

Rectangle Area and Perimeter

Solve real problems with formulas.

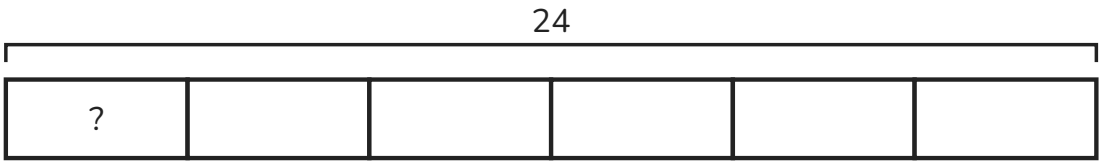
About 40 minutes Level ★★★☆☆

Task A

/4

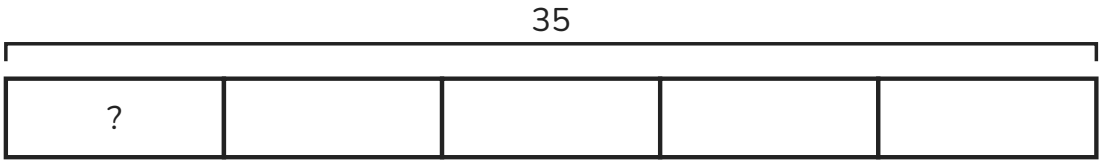
Use the bar to find the missing side.

1 A rectangular rug has an **area** of 24 square feet. Its length is 6 feet. What is the width?



Answer: _____ **ft**

2 A garden bed has an **area** of 35 square feet. Its width is 5 feet. What is the length?



Answer: _____ **ft**

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Practice the Formulas

Find area and perimeter of rectangles.

Key words

area: space inside a shape

length: longer side of a rectangle

square feet: units used for area

perimeter: distance around a shape

width: shorter side of a rectangle

factor: a number multiplied to make another number

Task B

/10

Find the area or perimeter.

WARM UP

1. A rectangle is 9 feet long and 4 feet wide. What is its **area**?

Answer: _____

2. A rectangle is 7 feet long and 5 feet wide. What is its **area**?

Answer: _____

3. A rectangle is 6 feet long and 6 feet wide. What is its **perimeter**?

Answer: _____

4. A rectangle is 10 feet long and 3 feet wide. What is its **perimeter**?

Answer: _____

PRACTICE

5. A rectangle has an **area** of 30 square feet and length 6 feet. What is the width?

Answer: _____

6. A rectangle has an **area** of 42 square feet and width 6 feet. What is the length?

Answer: _____

7. A garden is 12 feet long and 5 feet wide. How many feet of fence are needed to go around the **garden**?

Answer: _____

PROBLEM SOLVING

8. A classroom rug has an **area** of 48 square feet. Its length is 8 feet. What is the width?

Answer: _____

9. A garden bed is 9 feet long and 6 feet wide. What is its **area**?

Answer: _____

10. A playground is 15 feet long and 10 feet wide. What is its **perimeter**?

Answer: _____

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Find Missing Sides

Use area to find a missing side.

Task C

/10

Find the missing side or the perimeter.

WARM UP

1. A rectangle is 12 feet long and 7 feet wide. What is its **area**?

Answer: _____

2. A rectangle is 9 feet long and 9 feet wide. What is its **area**?

Answer: _____

3. A rectangle is 8 feet long and 6 feet wide. What is its **perimeter**?

Answer: _____

PRACTICE

4. A rectangle has an **area** of 56 square feet and length 8 feet. What is the width?

Answer: _____

5. A rectangle has an **area** of 63 square feet and width 7 feet. What is the **length**?

Answer: _____

6. A deck is 20 feet long and 12 feet wide. What is its **perimeter**?

Answer: _____

PROBLEM SOLVING

7. New flooring covers 96 square feet in a room that is 12 feet long. What is the **width** of the room?

Answer: _____

8. A hallway rug is 11 feet long and 4 feet wide. What is its **area**?

Answer: _____

9. A rectangle is 14 feet long and 3 feet wide. What is its **perimeter**?

Answer: _____

10. Rectangle A is 8 feet by 3 feet. Rectangle B is 6 feet by 4 feet. Both have the same **area**. Which has the greater perimeter? Explain how you know.

Answer: _____

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Sort and Solve

Sort ideas, then solve shapes.

Task D

Example done for you

/7

Color each box by area or perimeter.

● **Area**: color it blue or draw ● ▲ **Perimeter**: color it orange or draw ▲

space inside a shape ●	distance around the outside	measured in square feet	measured in feet
length × width	2 × (length + width)	tiles to cover a floor	fence around a garden

Task E

/5

Find the area and perimeter.

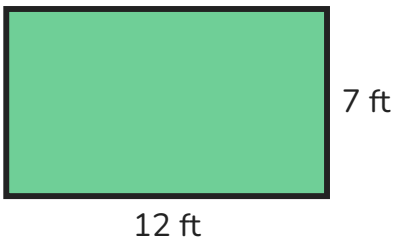
1



Area: _____ **ft²**

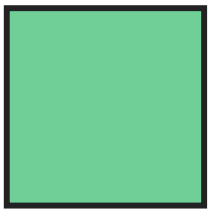
Perimeter: _____ **ft**

2



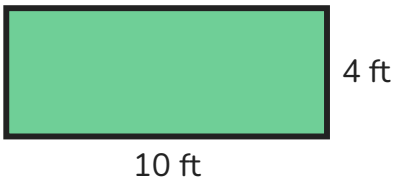
Area: _____ **ft²**

3



Perimeter: _____ **ft**

4



Perimeter: _____ **ft**

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Multiply Then Check

Use multiplication facts with confidence.

Task F

/7

Fill the grid. Use facts for area.

×	4	5	6	7
6	24	30	36	
7	28	35	42	49
8				
9		45	54	

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Rectangle Area and Perimeter

Task 6

/2

Study the example, then try the missing side.

WORKED EXAMPLE

A rectangle has area 32 square feet and length 8 feet. Find the width.

1. **Area** = length × width, so 8 × ? = 32
2. 8 × 4 = 32
3. Width = 4 feet

Answer: 4 feet

YOUR TURN

A rectangle has area 28 square feet and length 7 feet. Find the width.

Answer: _____

WORKED EXAMPLE

A rectangle is 9 feet long and 5 feet wide. Find the perimeter.

1. **Perimeter** = 2 × (length + width)
2. 9 + 5 = 14, then 2 × 14 = 28
3. Perimeter = 28 feet

Answer: 28 feet

YOUR TURN

A rectangle is 10 feet long and 6 feet wide. Find the perimeter.

Answer: _____

How did I do?

Circle a face for each line.

I can find the area of a rectangle.	☹	😐	☺
I can find the perimeter of a rectangle.	☹	😐	☺
I can find a missing side when I know the area.	☹	😐	☺

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Answer sheet: Rectangle Area and Perimeter

Task A

1. 4 ft
2. 7 ft

Task B

1. 36 square feet
2. 35 square feet
3. 24 feet
4. 26 feet
5. 5 feet
6. 7 feet
7. 34 feet
8. 6 feet
9. 54 square feet
10. 50 feet

Task C

1. 84 square feet
2. 81 square feet
3. 28 feet
4. 7 feet
5. 9 feet
6. 64 feet
7. 8 feet
8. 44 square feet
9. 34 feet
10. Rectangle A, because 22 feet is greater than 20 feet

Task D

Area (blue ●): space inside a shape, measured in square feet, length × width, tiles to cover a floor

Perimeter (orange ▲): distance around the outside, measured in feet, 2 × (length + width), fence around a garden

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Task E

1. area = 40 ft², perimeter = 26 ft
2. area = 84 ft²
3. perimeter = 24 ft
4. perimeter = 28 ft

Task F

6 × 4, 5, 6, 7: 24, 30, 36, 42

7 × 4, 5, 6, 7: 28, 35, 42, 49

8 × 4, 5, 6, 7: 32, 40, 48, 56

9 × 4, 5, 6, 7: 36, 45, 54, 63

Task G

1. 4 feet
2. 32 feet

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