AREA AND PERIMETER
ASSESSMENTS
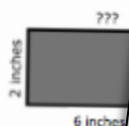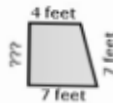
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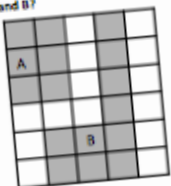
Area Assessment #1

1. In the square below, the length of each side is 1 unit. What is the area of the square?

1 unit

2. What is the total area of the shaded region?
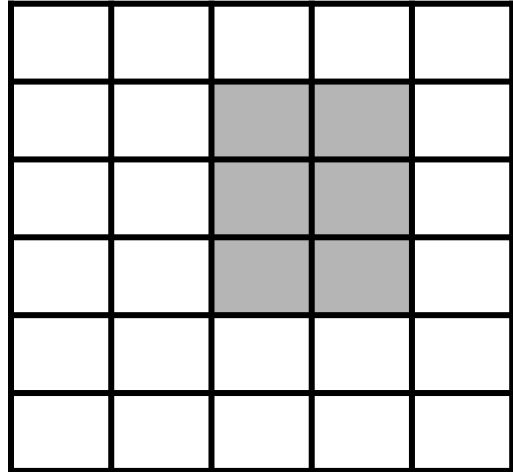
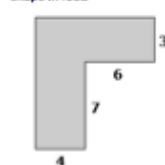3. What is the total area of figure A and B?

A

B
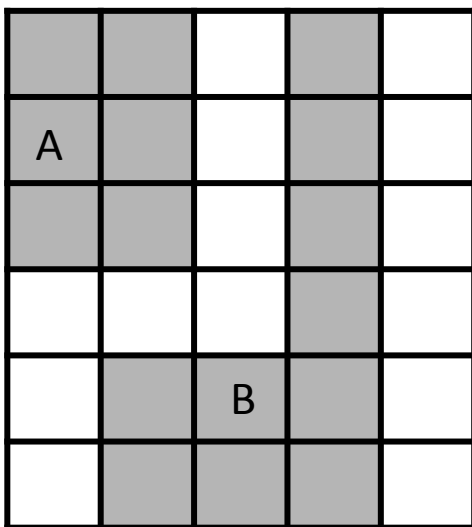
4. What is the total area?

4 cm

2 cm
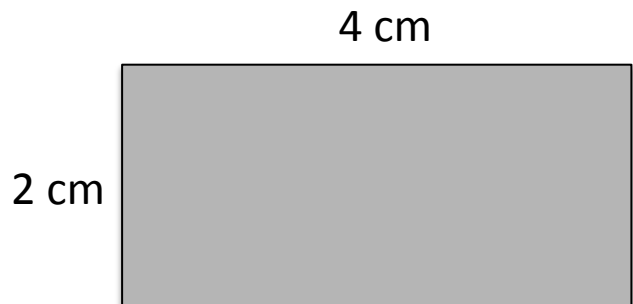
Area Assessment #2

1. **What is the area of the shape below?**

1 cm
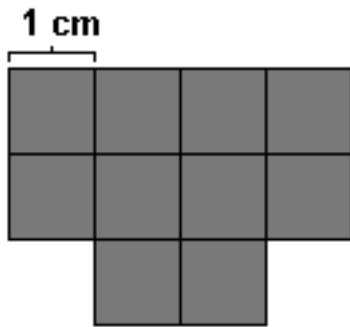
2. **What is the area of the shaded shape below?**

1 cm
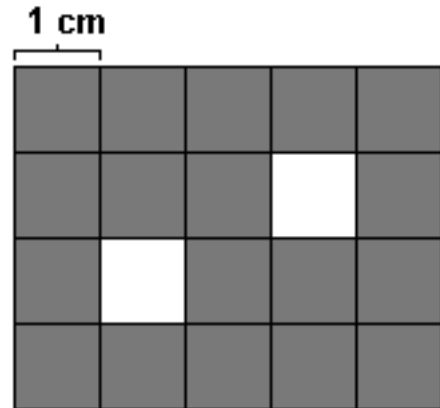
3. **What is the area of the shape below?**
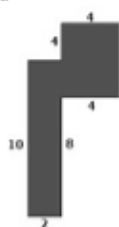
1 cm

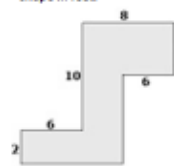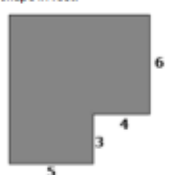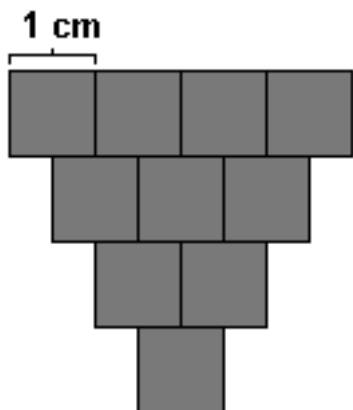**4.** **What is the combined area of the two shapes below?**
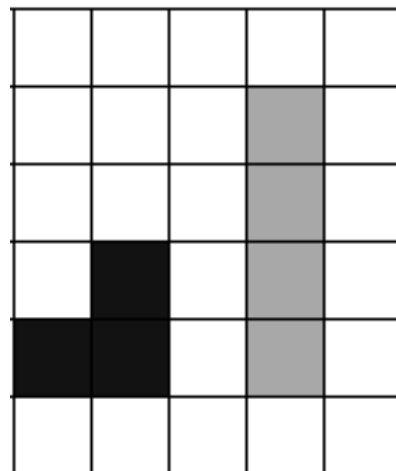
Area Assessment #3

1. Find the area of the following shape in feet.
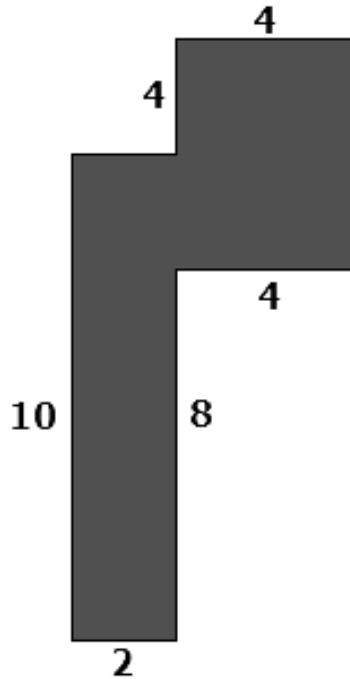
2. Find the area of the following shape in feet.
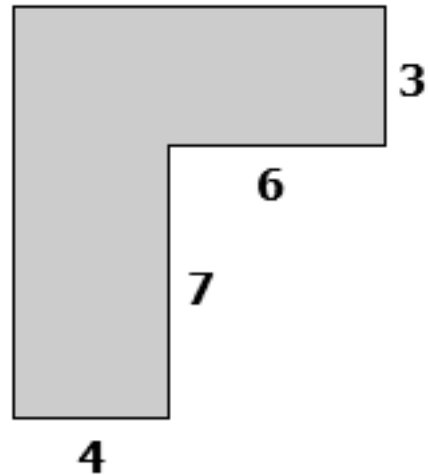
3. Find the area of the following shape in feet.
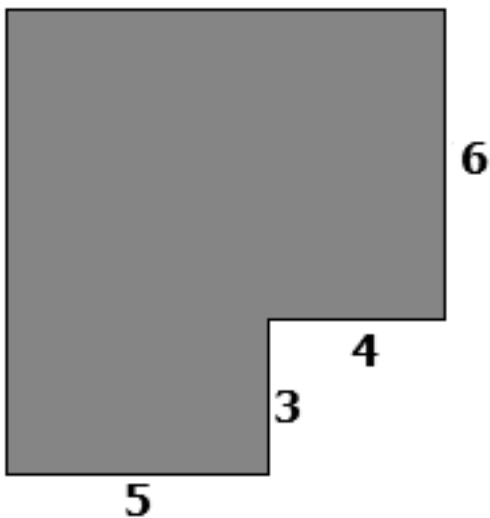
4. Find the area of the following shape in feet.
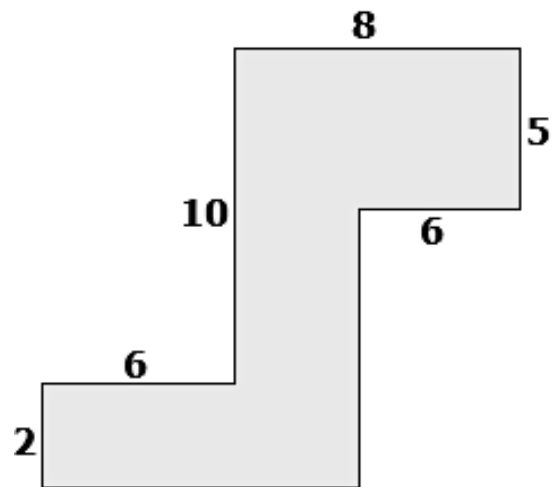
Area Assessment #4

1. What is the area of the shaded rectangle below?
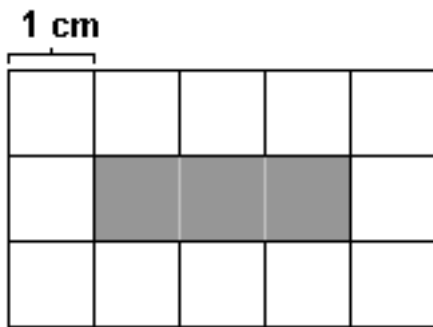
1 cm

2. What is the area of the shaded rectangle below?

1 cm

3. Find the area of the following shape.

1 cm

4. Find the area of the following shape.

1 in
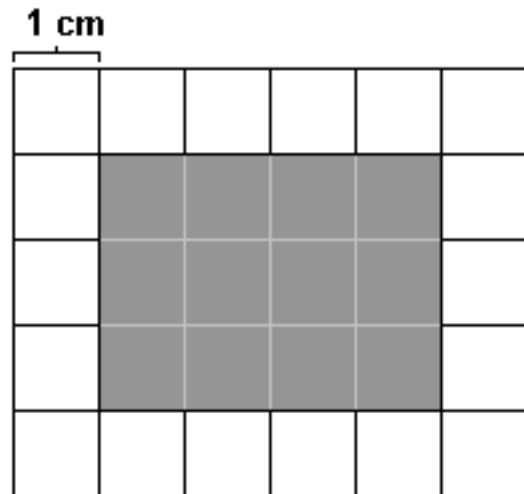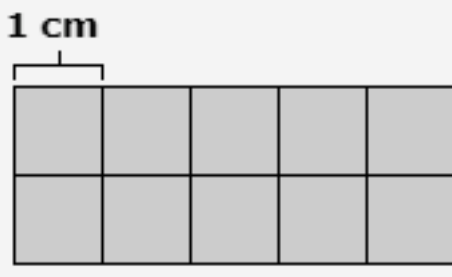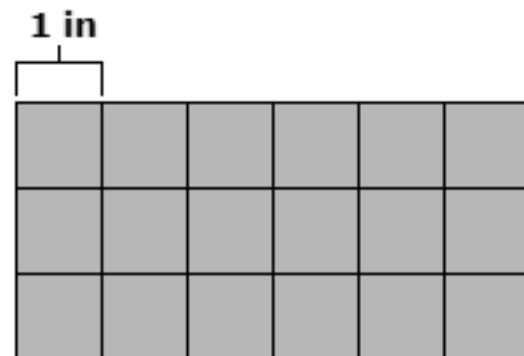
Area Assessment #5

1. Mrs. Lee just bought a new rug. The rug is 7 feet long and 8 feet wide. What is the area of her rug?

2. Jan ordered a new counter top for her kitchen. The counter is 3 feet wide and 6 feet long. What is the area of her counter?

3. Kimmy just measured the living room so she can get carpet. The living room is 9 feet wide and 10 feet long. How many square feet of carpet does she need to buy?

4. A farmer build a pigpen that was 5 feet wide and 7 feet long. What was the area of the pigpen?

Perimeter Assessment #1

1. **What is the perimeter of the polygon below?**

2 feet

3 feet

3 feet

2 feet

2. **What is the perimeter of the polygon below?**

3 feet

5 feet

5 feet

2 feet

3. **What is the perimeter of the polygon below?**

2 inches

2 inches

2 inches
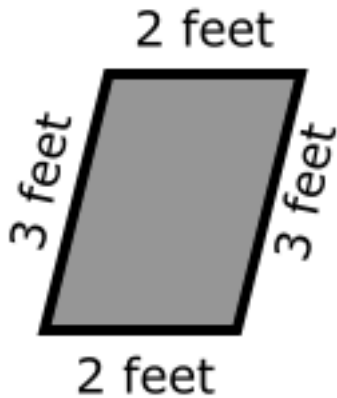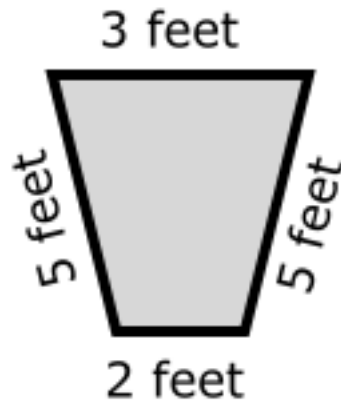
4. **What is the perimeter of the polygon below?**

4 inches

2 inches

2 inches

4 inches

Perimeter Assessment #2

1. The perimeter of the polygon below is 24 feet. What is the length of the missing side?

4 feet

???

7 feet

7 feet
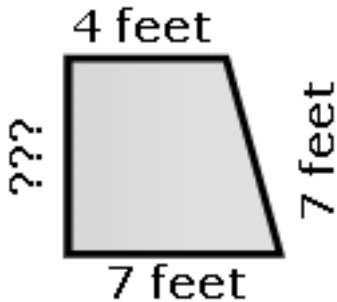
2. The perimeter of the polygon below is 16 inches. What is the length of the missing side?

???

2 inches

2 inches

6 inches

3. The perimeter of the polygon below is 12 inches. What is the length of the missing side?

3 inches

???

4 inches
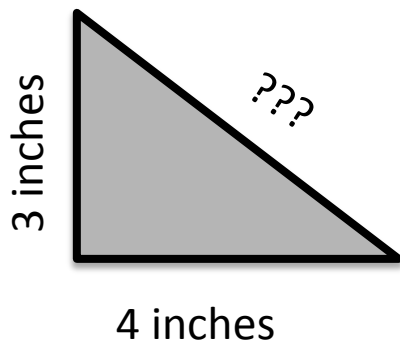
4. The perimeter of the polygon below is 19 meters. What is the length of the missing side?

???

3 meters

7 meters

5 meters
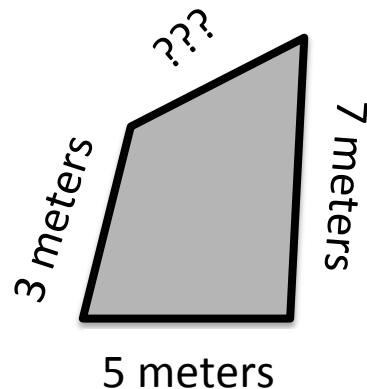
Perimeter Assessment #3

1. Circle the shape with the larger perimeter.
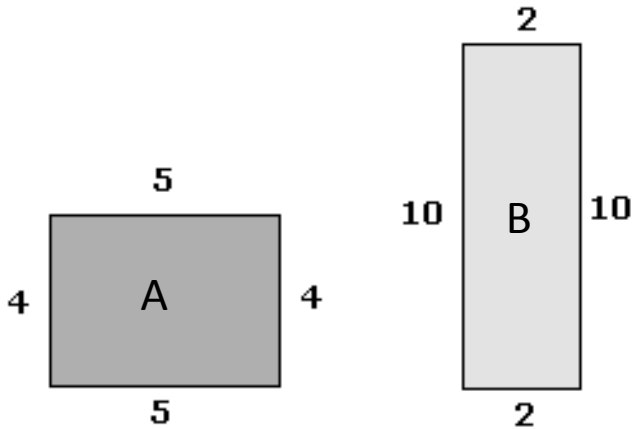
2

A
5
4   4
5

B
10   10
2

2. Circle the shape with the larger perimeter.

6
A
5   5
6

4
B
8   8
4

3. Circle the shape with the larger perimeter.

4
A
5   5
4

3
B
5   5
3
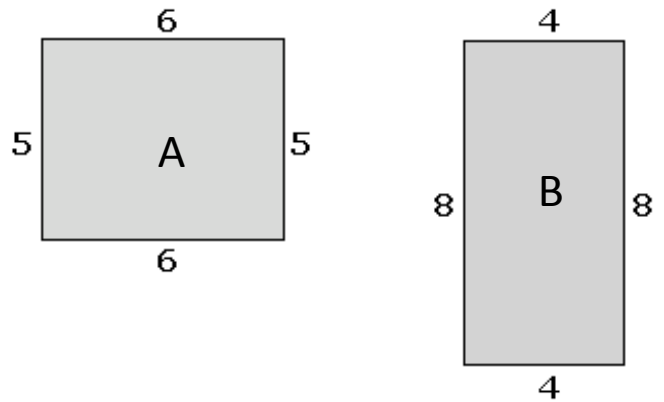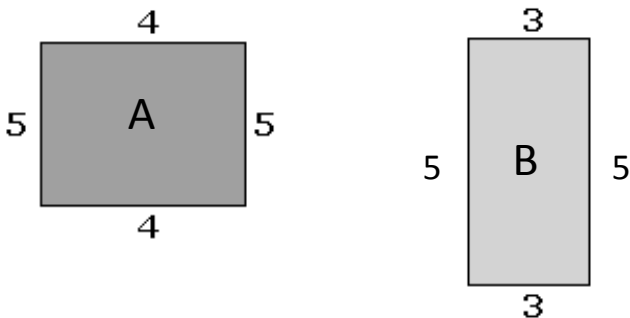
4. Circle the shape with the larger perimeter.

4
A
10   10
4

8
B
3   3
8
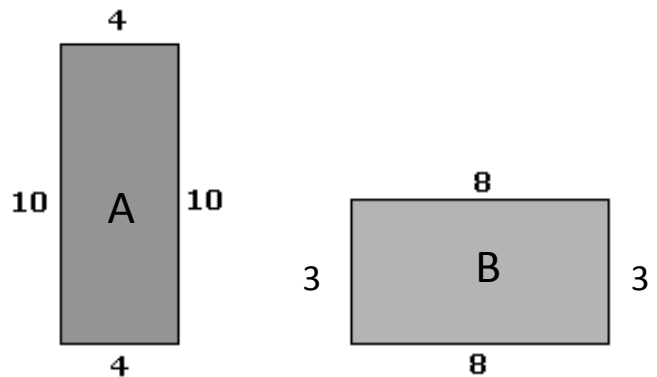
Perimeter Assessment #4

1. Michael has a room in his house that is shaped like a parallelogram. The length of the room measures 10 feet and the width measures 21 feet. What is the perimeter of the room?

2. Laura is designing a statue on a base that is in the shape of a square. The sides of the base measures 7 feet. What is the perimeter of the base?

3. Maggie's house is shaped like a rectangle. The length of her house is 30 meters and the width is 35 meters. What is the perimeter of Maggie's house?

4. Nate is buying a border to put around his rectangular bedroom. The length of his room is 9 feet and the width is 13 feet. How many feet of border does Nate have to buy?

Perimeter Assessment #5

1. A rectangular rug is 13 feet long and 8 feet wide. What is the perimeter of the rug?

2. Molly is planting a garden which will be shaped like a square. One side of her garden is 9 meters. What is the perimeter of her garden?

3. Rob's kite has two sides that measure 19 cam and two sides that measure 11 cm. What is the perimeter of Rob's kite?

4. A piece of a puzzle is shaped like a trapezoid. The lengths of the sides are 16 inches, 7 inches, 6 inches, and 10 inches. What is the perimeter of the puzzle piece?

ANSWER KEY

AREA 1	AREA 2	AREA 3	AREA 4	AREA 5
1. 1 sq un	1. 10 sq cm	1. 44 sq ft	1. 3 sq cm	1. 56 sq ft
2. 6 sq un	2. 18 sq cm	2. 58 sq ft	2. 12 sq cm	2. 18 sq ft
3. 16 sq un	3. 10 sq cm	3. 69 sq ft	3. 10 sq cm	3. 90 sq ft
4. 8 sq cm	4. 7 sq cm	4. 66 sq ft	4. 18 sq in	4. 35 sq ft

PERIMETER 1	PERIMETER 2	PERIMETER 3	PERIMETER 4	PERIMETER 5
1. 10 feet	1. 6 feet	1. B	1. 62 feet	1. 42 feet
2. 15 feet	2. 6 feet	2. B	2. 28 feet	2. 36 meters
3. 6 inches	3. 5 inches	3. A	3. 130 meters	3. 60 cm
4. 12 inches	4. 4 meters	4. A	4. 44 feet	4. 39 inches

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