

3rd Grade TEKS Readiness Focus

TEKS 3.7B *determine* the perimeter of a polygon or a missing length when given perimeter and remaining side lengths in problems.

Activity Directions:

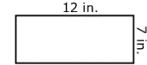
Items Needed: Perimeter Activity, glue, scissors

1. Copy the cards and mat for each group of students.
2. Cut apart and mix the cards.
3. Students are to find the solution for each perimeter based problem.
4. The cards should be taped or glued to the perimeter of the mat in the location that corresponds to each answer. (See below.)
5. Practice questions coded to TEKS 3.7B.

Perimeter

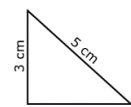
- The distance around the edge of a figure
- Measured in units
- Fences and borders are examples

Find the perimeter of the rectangle measured in inches.



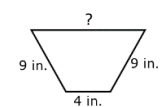
12 in. 7 in.

Find the perimeter of the triangle measured in centimeters.




3 cm 5 cm
4 cm

If the perimeter of the trapezoid is 33 inches, what is the length of the missing side?



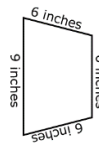
9 in. ?
4 in. 9 in.

Find the perimeter of the square measured in inches.




5 inches

Find the perimeter of the rectangle measured in inches.



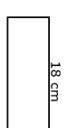
9 inches 6 inches
6 inches 9 inches

If the perimeter of the square is 24 centimeters, what is the length of each side?



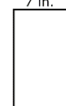
?

If the perimeter of the rectangle is 52 centimeters, what does the width measure?



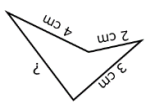
18 cm
?

The width of the rectangle measures 7 inches. The length of the rectangle is twice the width. What is the perimeter measured in inches?



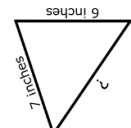
7 in.

Find the perimeter of the quadrilateral. What is the length of the missing side?



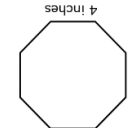
2 cm 4 cm
3 cm 2 cm

If the perimeter is 22 inches, what is the length of the missing side?



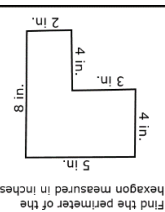
6 inches ?
7 inches 2 inches

Find the perimeter of the regular octagon measured in inches.



4 inches

Find the perimeter of the L-shaped polygon measured in inches.



2 in. 4 in.
3 in. 4 in.
5 in. 8 in.

Find the perimeter of the rectangle measured in inches.

26 in.

Find the perimeter of the square measured in inches.

32 in.

Find the perimeter of the rectangle measured in inches.

9 in.

Find the perimeter of the rectangle measured in inches.

5 cm

Find the perimeter of the rectangle measured in inches.

27 in.

Find the perimeter of the rectangle measured in inches.

7 cm

Find the perimeter of the rectangle measured in inches.

8 cm

Find the perimeter of the rectangle measured in inches.

42 in.

Find the perimeter of the rectangle measured in inches.

38 in.

Find the perimeter of the rectangle measured in centimeters.

12 cm

Find the perimeter of the trapezoid is 33 inches, what is the length of the missing side?

11 in.

Find the perimeter of the square measured in inches.

20 in.

Find the perimeter of the rectangle measured in inches.

36 cm

Find the perimeter of the rectangle measured in inches.

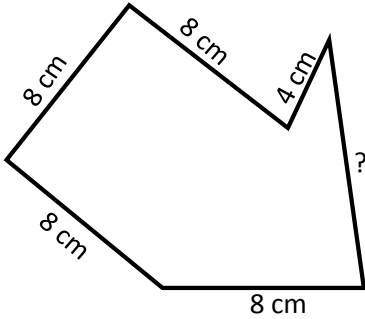
44 in.

Name _____

Date _____

TEKS 3.7B determine the perimeter of a polygon or a missing length when given perimeter and remaining side lengths in problems.

1. The perimeter of the figure shown below is 46 centimeters.

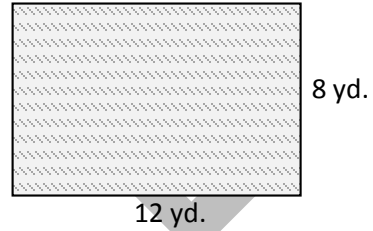


What is the missing side length measured in centimeters?

Record your answer and fill in the bubbles. Be sure to use the correct place value.

			.
0	0	0	
1	1	1	
2	2	2	
3	3	3	
4	4	4	
5	5	5	
6	6	6	
7	7	7	
8	8	8	
9	9	9	

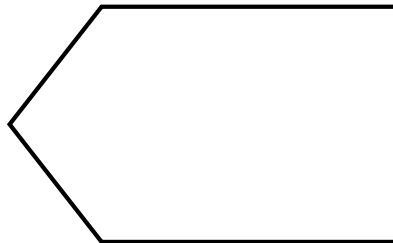
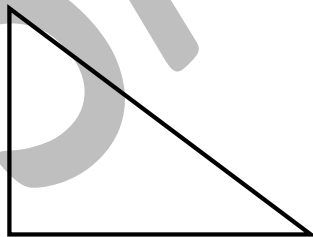
2. Farmer Francisco planted a garden. The side lengths of the garden are shown below.



Farmer Francisco buys 36 yards of fence. Does he have enough to go completely around his garden?

- F. No, because $4 \times 8 = 32$ and $32 > 36$
- G. Yes, because $12 + 8 = 20$ and $20 < 36$
- H. No, because $12 \times 8 = 72$ and $72 > 36$
- J. No, because $12 + 8 + 12 + 8 = 40$ and $40 > 36$

3. Use a ruler to measure the side lengths of the figures below to the nearest centimeter.

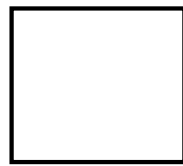


What is the difference between the perimeters of these figures?

- A. 2 cm
- B. 3 cm
- C. 4 cm
- D. 5 cm

4. The dimensions of two rectangles are shown below.

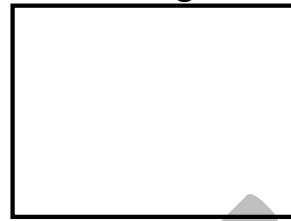
Rectangle R



9 in.

8 in.

Rectangle T



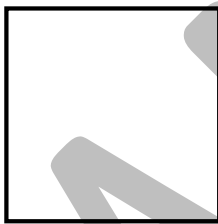
15 in.

11 in.

Which statement about these rectangles is true?

- F. The perimeter of Rectangle R is 9 inches less than the perimeter of Rectangle T.
- G. The perimeter of Rectangle R is 6 inches less than the perimeter of Rectangle T.
- H. The perimeter of Rectangle R is 18 inches less than the perimeter of Rectangle T.
- J. The perimeter of Rectangle R is 22 inches less than the perimeter of Rectangle T.

5. The perimeter of the square is 36 inches.

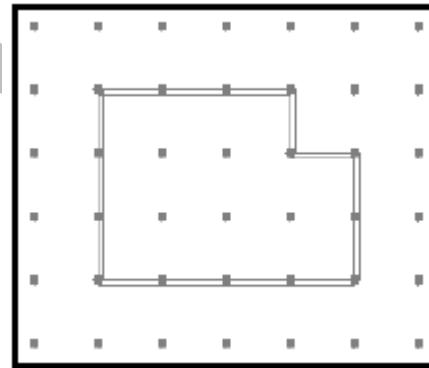


What is the length of one side?

Record your answer and fill in the bubbles. Be sure to use the correct place value.

			.
0	0	0	
1	1	1	
2	2	2	
3	3	3	
4	4	4	
5	5	5	
6	6	6	
7	7	7	
8	8	8	
9	9	9	

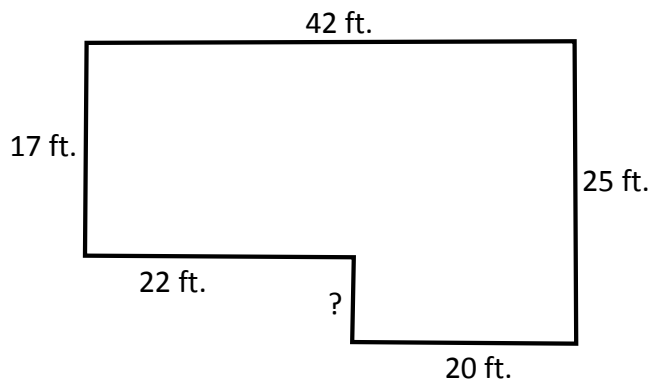
6. Lisa made a figure on the geoboard.



What is the perimeter of Lisa's figure?

- F. 14 units
- G. 13 units
- H. 12 units
- J. Not here

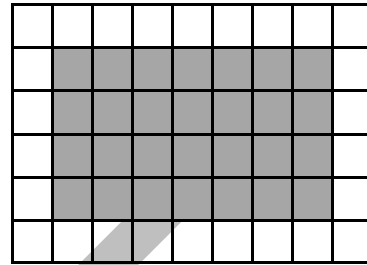
7. A building blueprint is shown below. The perimeter of the building measures 134 feet.



What is the length of the missing side?

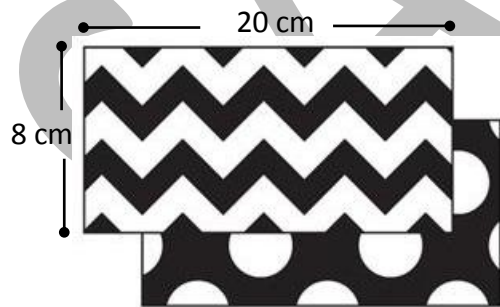
- A. 8 feet
- B. 10 feet
- C. 12 feet
- D. 14 feet

8. Sam colored a rectangle on graph paper. What is the perimeter and area of Sam's rectangle?



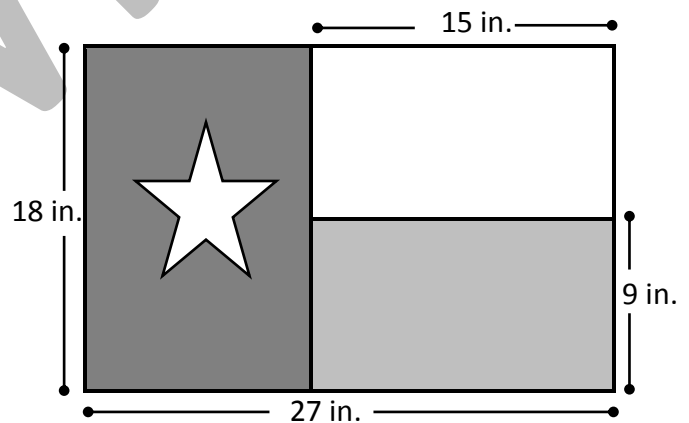
- F. Perimeter = 28 units
Area = 22 square units
- G. Perimeter = 11 units
Area = 28 square units
- H. Perimeter = 22 units
Area = 28 square units
- J. Perimeter = 22 units
Area = 24 square units

9. Mrs. Jordan teaches kindergarten. She is using a package of art paper to decorate an activity board. If the length of each piece measures 20 centimeters, and the width of each piece is 8 centimeters, what is the perimeter of one piece of the art paper?



- A. 28 cm
- B. 56 cm
- C. 160 cm
- D. 46 cm

10. A Texas flag is shown below.



What is the perimeter of the flag?

- F. 69 inches
- G. 81 inches
- H. 78 inches
- J. 90 inches