

1.30

Finding the Perimeter of a Polygon

• Example 1

We wish to fence in the field shown in Figure 1. How much fencing, in feet (ft), will be needed?

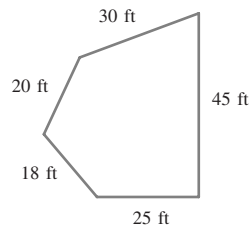


Figure 1

Solution The fencing needed is the perimeter of (or the distance around) the field. We must add the lengths of the five sides.

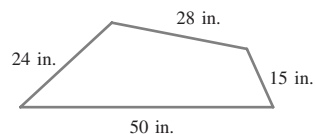
$$20 + 30 + 45 + 25 + 18 = 138$$

So the perimeter is 138 ft.

Make sure to include the unit with the number in the answer.

● ● ● CHECK YOURSELF 1

What is the perimeter of the region shown?



CHECK YOURSELF ANSWER

1. 117 in. (or 9 ft 9 in.).

1.30 Exercises

Name _____

Section _____

Date _____

ANSWERS

1. _____

2. _____

3. _____

4. _____

5. _____

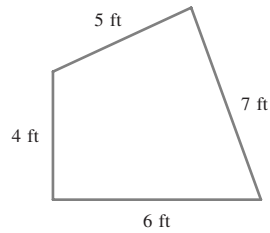
6. _____

7. _____

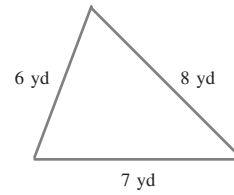
8. _____

Find the perimeter of each polygon.

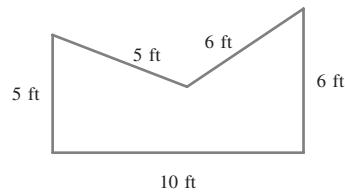
1.



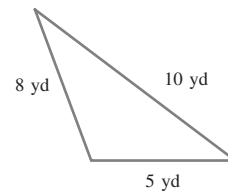
2.



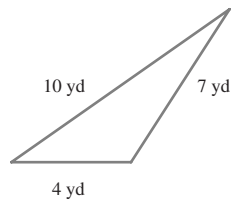
3.



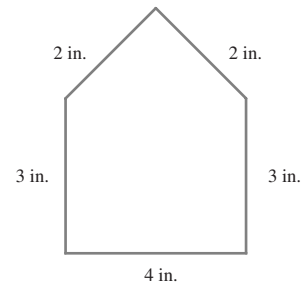
4.



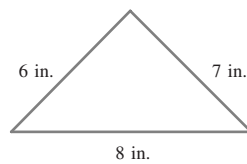
5.



6.



7.



8.

