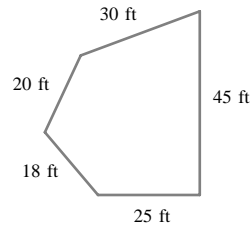


# 1.13

## 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.

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

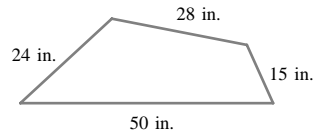
So the perimeter is 138 ft.

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.).

---

# 1.13 Exercises

Name \_\_\_\_\_

Section \_\_\_\_\_

Date \_\_\_\_\_

## A N S W E R S

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

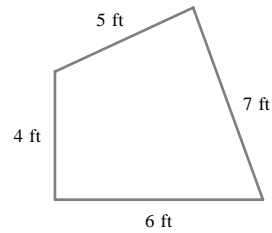
6. \_\_\_\_\_

7. \_\_\_\_\_

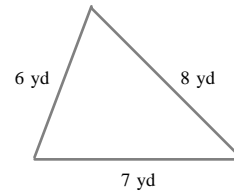
8. \_\_\_\_\_

Find the perimeter of each polygon.

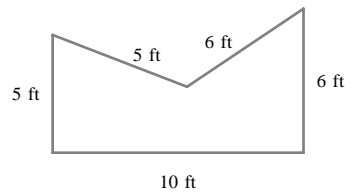
1.



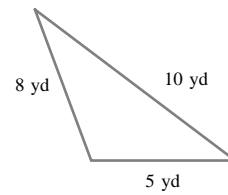
2.



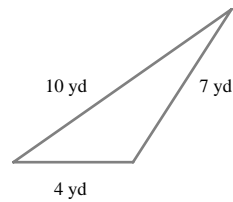
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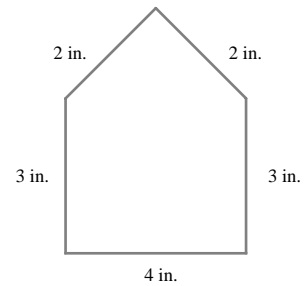
4.



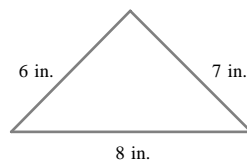
5.



6.



7.



8.

