

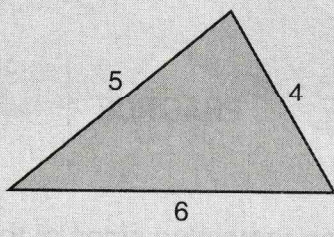


Perimeter is the distance around the outside of a shape.

To find the perimeter of any polygon, add the lengths of its sides.

EXAMPLE

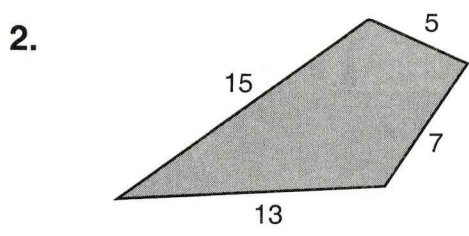
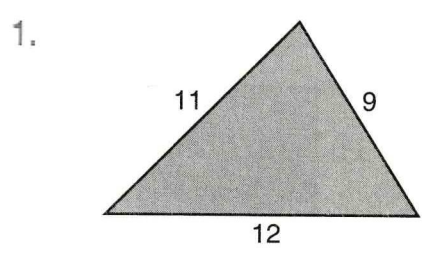
Find the perimeter of the triangle below.



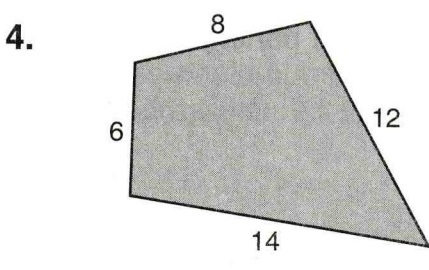
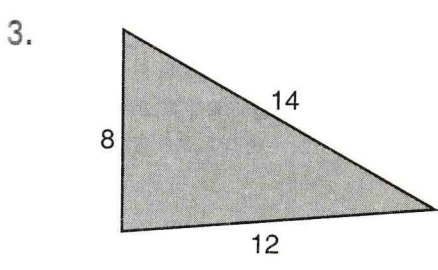
$$4 + 6 + 5 = 15.$$

The perimeter of the triangle is **15**.

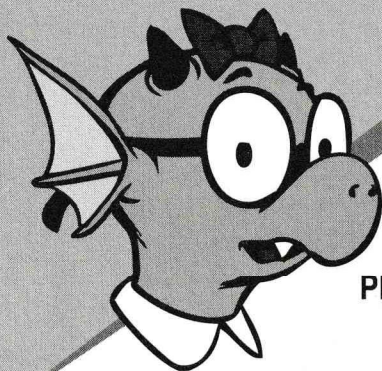
PRACTICE Find the perimeter of each polygon below.



- 1. _____
- 2. _____



- 3. _____
- 4. _____

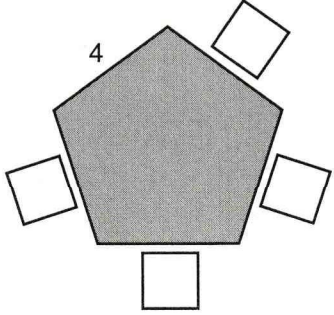


The sides of a **regular polygon** are all the same length.

If you know the side length of a regular polygon, you can find its perimeter.

PRACTICE

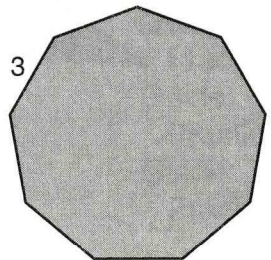
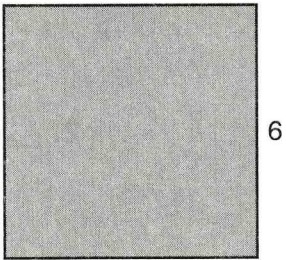
5. Label the remaining sides of the regular pentagon below.



6. What is the perimeter of the pentagon above? 6. _____

Find the perimeter of each regular shape below.

7. Square 8. Nonagon 7. _____



8. _____

9. What is the perimeter of a regular pentagon with sides of length 7? 9. _____

10. What is the length of each side of a regular hexagon whose perimeter is 60? 10. _____

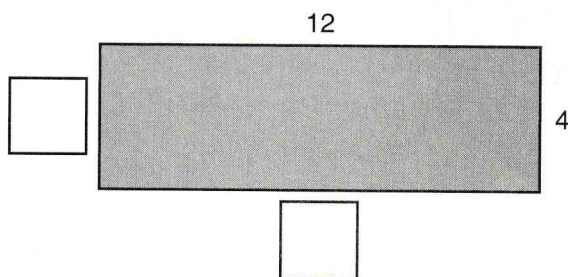
Opposite sides of a rectangle are the same length.

If we know the height and width of a rectangle, we can find its perimeter!



PRACTICE

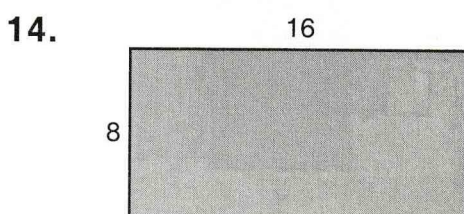
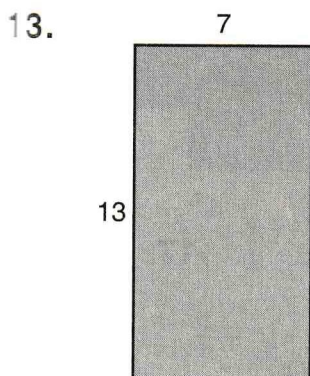
11. Label the remaining sides of the rectangle below.



12. What is the perimeter of the rectangle above?

12. _____

Find the perimeter of each rectangle below.



13. _____

14. _____

15. Is it possible to draw a rectangle that has whole-number side lengths and a perimeter of 13? If it is possible, draw one. If it isn't possible, explain why.