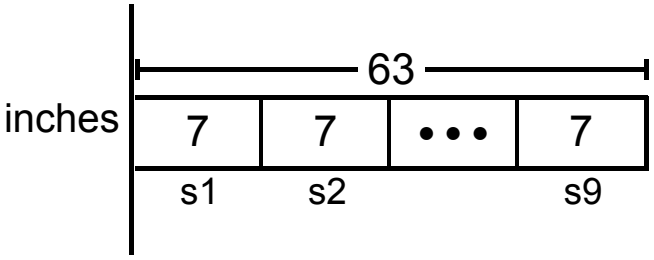
A. Each side of a regular, 9-sided nonagon is 7 in.
What is the nonagon's perimeter?



$9 \times 7 =$ **63**

The nonagon's perimeter is **63** in.

B. Each side of a regular, 8-sided octagon is 8 in.
What is the octagon's perimeter?

The octagon's perimeter is ___ in.

A. Each side of a regular, 6-sided hexagon is 9 ft.
What is the hexagon's perimeter?

The hexagon's perimeter is ___ ft.

B. Each side of a regular, 7-sided heptagon is 6 ft.
What is the heptagon's perimeter?

The heptagon's perimeter is ___ ft.

A. Each side of a regular, 7-sided heptagon is 9 cm. What is the heptagon's perimeter?

The heptagon's perimeter is ___ cm.

B. Each side of a regular, 6-sided hexagon is 6 cm. What is the hexagon's perimeter?

The hexagon's perimeter is ___ cm.

Name:

Problem of the Day Lesson 51

The length of every side of both an octagon and a nonagon is 9 feet.

a. What is the perimeter of the 8-sided octagon, in feet?

b. What is the perimeter of the 9-sided nonagon, in feet?

c. What is the perimeter of a 17-sided polygon, if every side is 9 feet?

Name:

WHO AM I?

Write the correct answer on the line below each clue.
Be sure to read carefully!

One side of a regular hexagon is one inch more than 7 inches.
I am the perimeter of the hexagon, in inches.
Who am I?

_____

Challenge:

One side of a regular octagon is three cm more than 6 cm.
I am the perimeter, in cm. of the octagon.
Who am I?

_____

Challenge:

One side of a regular nonagon is two cm less than 9 cm.
I am the perimeter of the nonagon, in cm.
Who am I?

_____

One side of a regular heptagon is two inches less than 8 inches.
I am the perimeter of the heptagon, in inches.
Who am I?

_____

