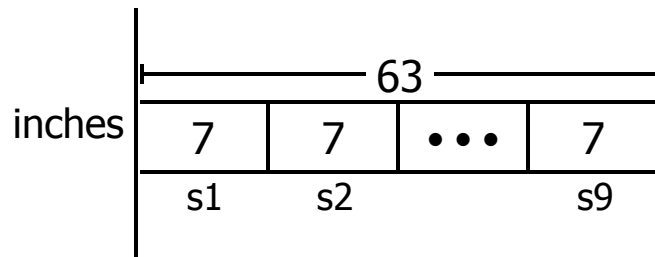


1. Each side of a regular, 9-sided nonagon is 7 in.
What is the nonagon's perimeter?



$$9 \times 7 = \underline{\mathbf{63}}$$

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

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

The octagon's perimeter is ____ in.

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

The hexagon's perimeter is ____ ft.

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

The heptagon's perimeter is ____ ft.

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

The heptagon's perimeter is ____ cm.

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

The hexagon's perimeter is ____ cm.

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?

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?

