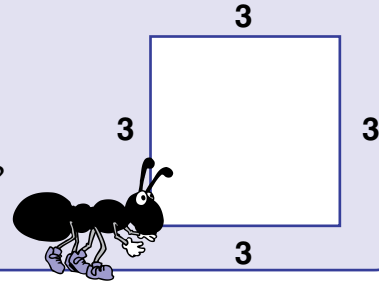


An Ant Goes Jogging

CONSIDER THIS

Here is a square whose sides are 3 inches.

Suppose an ant jogs along the outline of the square—from one corner all around to the same corner. How far does the ant jog?
The ant jogs 12 inches.



Answer these questions about an ant and the shapes it jogs around.

How far does the ant jog if one side of the square is

- 1 5 inches?
- 2 $2\frac{1}{2}$ inches?

How long is one side of the square if the ant jogs

- 3 28 inches?
- 4 44 inches?

If the ant jogs around an equilateral triangle, how far does he jog if one side of the triangle is

- 5 5 inches?
- 6 8 inches?

How long is one side of the equilateral triangle if the ant jogs

- 7 36 inches?
- 8 90 inches?

If the ant jogs around a regular pentagon, how far does he jog if one side of the pentagon is

- 9 7 inches?
- 10 $2\frac{1}{2}$ inches?

How long is one side of the regular pentagon if the ant jogs

- 11 65 inches?
- 12 125 inches?

Answer Box

A 20 in.	B 12 in.	C 30 in.	D 25 in.	E 13 in.	F 7 in.
G $12\frac{1}{2}$ in.	H 11 in.	I 10 in.	J 24 in.	K 35 in.	L 15 in.

