

Area Formulas

08-19-19

Shape

Formula

Circle

$$A = \pi r^2$$



Triangle

$$A = \frac{1}{2}bh$$

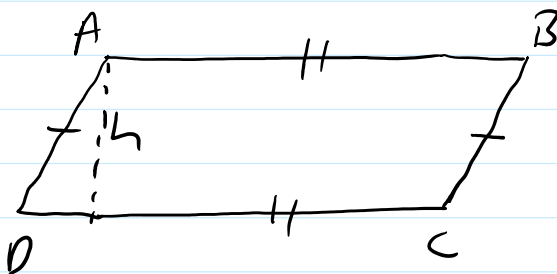
or

$$A = \frac{bh}{2}$$



Parallelogram

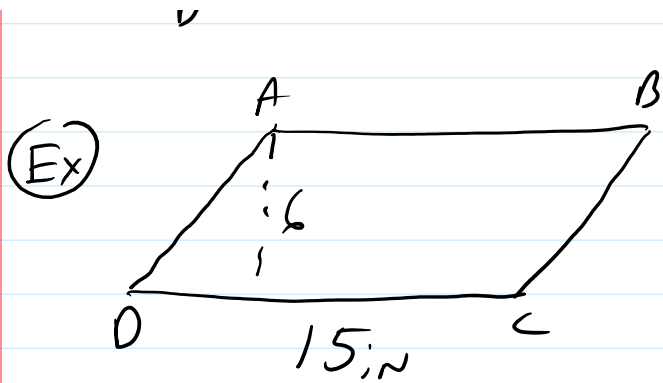
$$A = bh$$



A

B

A - hL



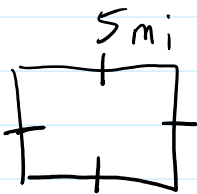
$$A = bh$$

$$b = 15, h = 6$$

$$A = 15 \cdot 6 = 90 \text{ in}^2$$

Perimeter

Square

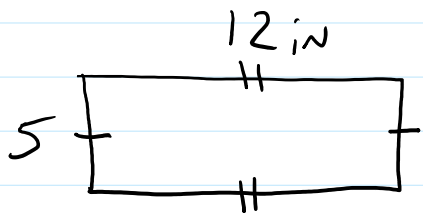


$$P = 4s$$

$$P = 4(5)$$

$$P = 20 \text{ miles}$$

Rectangle



$$(1) P = 2l + 2w$$

or

$$(2) P = 2(l + w)$$

$$l = 12$$

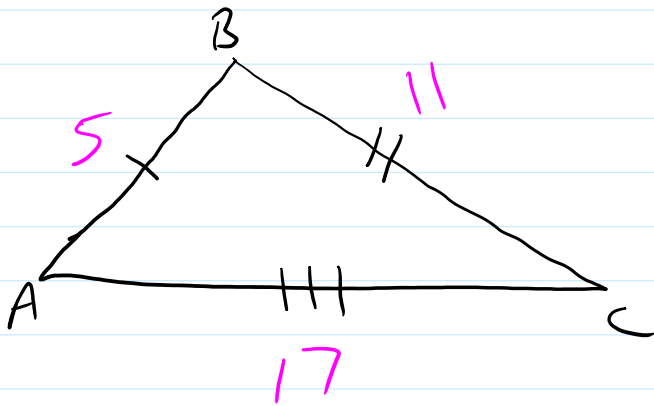
$$w = 5$$

$$P = 2(12 + 5)$$

$$P = 2(12 + 5)$$

$$P = 2(17) = \boxed{34 \text{ in}}$$

Triangle



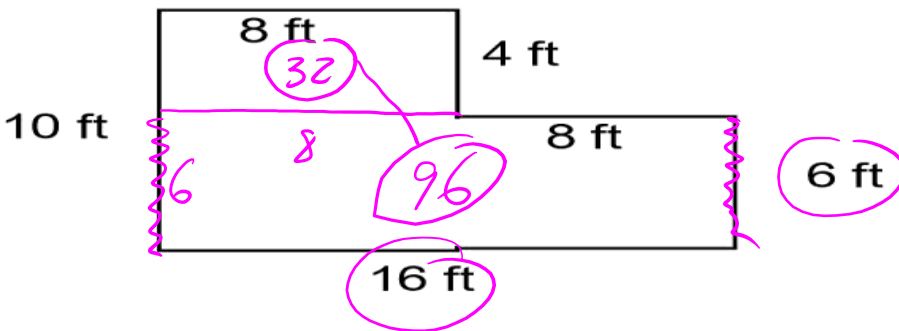
$$P = A + B + C$$

$$P = 5 + 11 + 17$$

$$\boxed{P = 33}$$

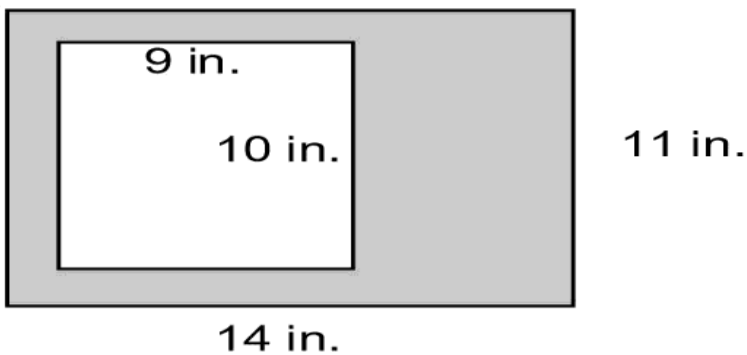
Composite Figure

$$A = l \times w$$



$$16 \times 6$$

$$\boxed{128 \text{ ft}^2}$$



$$A = l \times w$$

$$\begin{aligned} \text{Area large} - \text{Area small} &= \text{Area shaded} \\ 14 \times 11 - 9 \times 10 & \\ 154 - 90 &= \boxed{64 \text{ in}^2} \end{aligned}$$

Math is Not a
Spectator Sport.