

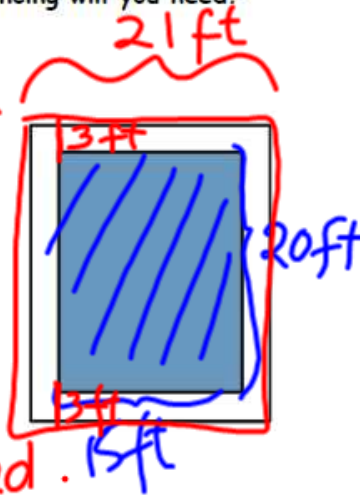
Your pool is 15 ft wide and 20 ft long with a 3-ft wide deck surrounding it. You want to build a fence around the deck. How much fencing will you need?

$$P_B = 21 \times 2 + 26 \times 2$$

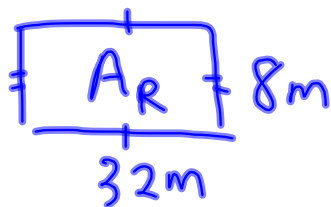
$$= 42 + 52 \quad 26 \text{ ft}$$

$$= 94 \text{ ft}$$

94 ft of fencing is needed.



A building complex has two parking lots. One is indoor and one is outdoor. Both parking lots have the same area. If the outdoor parking lot is rectangular in shape and is 32 m by 8 m, what are the dimensions of the square shaped indoor parking lot? (Hint: Draw a diagram for each parking lot.)



$$A_R = A_S$$

$$\begin{aligned} A_R &= 32 \times 8 \\ &= 256 \text{ m}^2 \end{aligned}$$

$$A_S = 256 \text{ m}^2$$

$$\begin{aligned} S &= \sqrt{256} \\ &= 16 \text{ m} \end{aligned}$$

\therefore The dimensions of the square shaped parking lot 16m by 16m.