

Question #24461

Lenny wants to fence in his circular pool. the pool has a diameter of 12 feet. he bought 40 feet of fencing. does he have enough fencing? why or why not.

Answer:

Yes, he does! In order to verify this, use the formula for finding the arc of a circle: $l = 2\pi r$.

$$D = 12 \text{ so } r = 12 \div 2 = 6 \text{ feet.}$$

$$l = 2 \times 3.14 \times 6 = 37.68 \text{ feet.}$$

$$37.68 < 40.$$