

Members of a golf course pay \$62 per round instead of the regular price of \$87.50. Annual memberships cost \$1275. What is the amount of rounds you need to play for the annual membership to be the same as regular play?

x - # of rounds

Membership = Regular

$$\$1275 + 62(x) = 87.50(x) \quad \text{- Costs of each}$$

$$\begin{array}{r} 1275 + 62x \\ - 87.5x \end{array} = \begin{array}{r} 87.5x \\ - 87.5x \end{array} \quad \text{- Move your "x's"}$$

$$\begin{array}{r} 1275 \\ - 1275 \end{array} - 25.5x = 0 \quad \text{- Move your plain #'s.}$$

$$\begin{array}{r} -25.5x \\ -25.5 \end{array} = \begin{array}{r} -1275 \\ -25.5 \end{array} \quad \text{- Get rid of 25.5}$$

$$x = 50$$

You would need to play 50 rounds in order for the costs to be the same.

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