AMERICANS CONSUME 90 ACRES OF PIZZA EVERY DAY

IF ALL PIZZAS CONSUMED ARE LARGE PIES (16 INCH DIAMETER), HOW MANY ARE CONSUMED EVERY DAY?

HOW MANY ARE CONSUMED IN ONE YEAR?

WHAT DO YOU NEED TO KNOW?

- NUMBER OF SQUARE FEET IN AN ACRE = 43, 560
- FORMULA FOR THE AREA OF A CIRCLE = $\pi r2$
- VALUE OF $\pi 3.14$ $22/7 \approx$

MULTIPLY 90 BY 43,560
DIVIDE THE PRODUCT BY THE AREA OF ONE LARGE PIZZA

$$\begin{array}{r} 43{,}560 \\ \times \quad 90 \\ \hline 3{,}920{,}400 \end{array}$$

radius of a 16 inch pizza is 8 inches.
8 inches are equivalent to 8/12 feet or 2/3 feet

$$\pi * \left(\frac{2}{3}\right)^2 = \frac{22}{7} \cdot \frac{2^2}{3^2} = \frac{22}{7} \cdot \frac{4}{9} = \frac{88}{63} = 1\frac{25}{63} \approx 1.4$$

$$1.4 \overline{)3920400.0}$$

$$1.4 \overline{)3920400.0}$$

$$\begin{array}{r} 2800285\frac{10}{14} \\ 14 \overline{)39204000} \\ -28 \\ \hline 112 \\ -112 \\ \hline 0040 \\ -28 \\ \hline 120 \\ -112 \\ \hline 80 \\ -70 \\ \hline 10 \end{array}$$

$2{,}800{,}285\frac{5}{7}$

large pizzas consumed every day

2800285.7

x 365

14001428 5

16801714 2 -

+ 8400857 1 - -

1,022,104,280.5

large pizzas consumed every year