

$$\frac{5000 \text{ PEOPLE}}{4 \text{ PEOPLE}} \rightarrow 1250 \text{ FAMILIES}$$

FAMILY

$$\left[\frac{1250 \text{ PIZZAS}}{\text{WEEK}} \right] \left(\frac{52 \text{ WEEKS}}{\text{YEAR}} \right) = 65,000 \text{ PIZZAS per year}$$

$$\text{AREA of PIZZA} = \pi r^2 = \pi (.75)^2$$

$$" \quad " \quad " = 1.767 \text{ FT}^2$$

$$\left(\text{radius} = \frac{18''}{2} = 9'' = 0.75' \right)$$

$$\left[\frac{65,000 \text{ PIZZAS}}{\cancel{\text{PIZZA}}} \right] \frac{1.767 \text{ FT}^2}{\cancel{\text{PIZZA}}} = \frac{114,864.48 \text{ FT}^2}{43560 \text{ FT}^2/\text{ACRE}} = 2.64 \text{ ACRES}$$

$$9.81 \frac{\text{M}}{\text{S}^2} \left(\frac{3.28 \text{ FT}}{\text{M}} \right) = 32.17 \frac{\text{FT}}{\text{S}^2}$$

PASCALS

PSI \rightarrow POUNDS PER IN²

$$\frac{1 \text{ N}}{\text{M}^2} = 1 \text{ PASCAL}$$

$$\frac{4.45 \text{ N}}{\text{LBS}}$$

$$3.28 \text{ FT/M}$$

$$\left[\frac{\cancel{\text{LBS}}}{\cancel{\text{IN}^2}} \right] \left[\frac{\cancel{12 \text{ IN}}}{\cancel{\text{FT}}} \right] \left[\frac{\cancel{12 \text{ IN}}}{\cancel{\text{FT}}} \right] \left(\frac{4.45 \text{ N}}{\cancel{\text{LBS}}} \right) \left(\frac{3.28 \text{ FT}}{\text{M}} \right) \left(\frac{3.28 \text{ FT}}{\text{M}} \right) = 6893.98 \frac{\text{N}}{\text{M}^2}$$

KPa \rightarrow kilopascals

LOOKING TO FIND
THE NUMBER OF PASCALS
PER PSI