

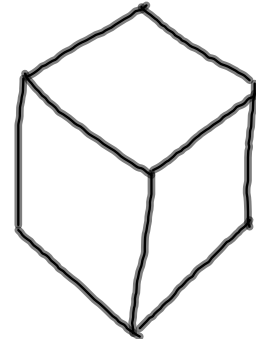
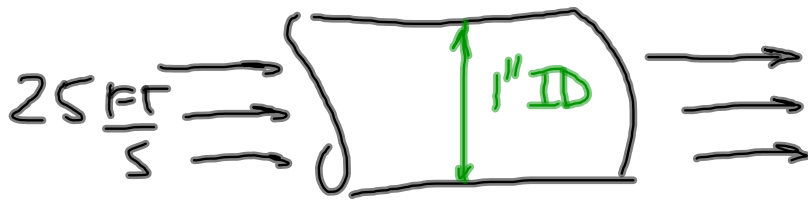
C.F. \rightarrow

$\frac{231 \text{ in}^3}{\text{gallon}}$

$\rightarrow (235.5 \frac{\text{in}^3}{\text{s}}) \sim (1.02 \text{ GPM}) (60 \text{ s})$

M/W

61.2 GPM



$$\left(25 \frac{FT}{S}\right) (AREA) \rightarrow \frac{FT^3}{S}$$

A diagram of a circle representing the cross-section of the pipe, with a diameter of 1 inch. An arrow points from the circle to the area calculation below.

$$\pi (.5)^2 = 0.785 \text{ IN}^2$$

$$\left(\frac{25 \cancel{FT}}{S}\right) (.785 \text{ IN}^2) \left(\frac{12 \cancel{IN}}{\cancel{FT}}\right) = \frac{235.5 \text{ IN}^3}{S}$$

$$CF = \frac{231 \text{ IN}^3}{\text{Gal}}$$

$$= 1.016 \left[\frac{\text{GAL}}{S}\right] \left(\frac{60 S}{\text{MIN}}\right)$$

$$= 61.7 \text{ GPM}$$

