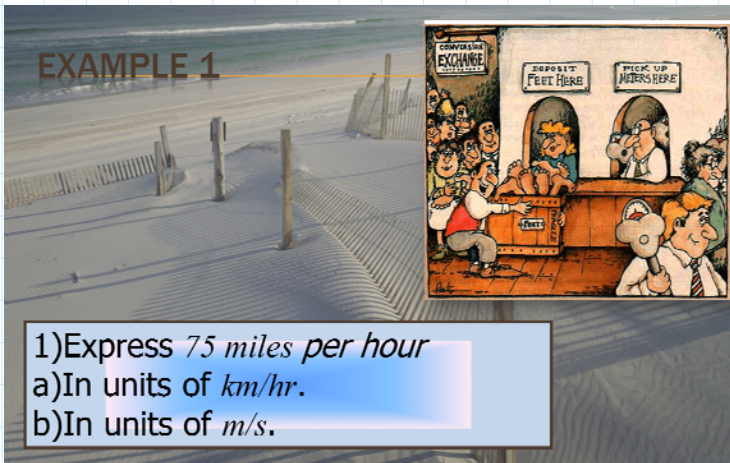


Example 1

Thursday, August 20, 2015 2:51 PM



$$75 \frac{\text{mi}}{\text{hr}}$$

$$75 \frac{\text{mi}}{\text{hr}} \left(\frac{1.61 \text{ km}}{1 \text{ mi}} \right) = 120.75 \text{ km/hr}$$

$$1.61 \text{ km} = 1 \text{ mi}$$

$$75 \frac{\text{mi}}{\text{hr}} = 120.75 \text{ km/hr}$$

$$120.75 \frac{\text{km}}{\text{hr}} \left(\frac{1000 \text{ m}}{1 \text{ km}} \right) \left(\frac{1 \text{ hr}}{3600 \text{ s}} \right) = 33.54 \text{ m/s}$$

$$1 \text{ km} = 1000 \text{ m}$$

$$1 \text{ hr} = 3600 \text{ s}$$