INTRODUCTION TO WORD PROBLEMS

AT A MINIMUM

1. Read 3x
2. Write key information (label KI®)
3. Leave allot of space to do problem

THEN

- Define variables and include units
- Write equation
- Solve
- Check - does answer make sense
- Write answer in words

3. KI: $85 spend on materials
   Want profit of $90
   \[ X = \text{Cost of each collar (}$'s) \]
   Need to know the number of collars to answer problem.

4. KI: Paul ran 0.15 miles per minute for 40 min
   Paul and Jan ran 0.16 miles per minute
   for 50 min
   \[ X = \text{Distance Paul ran (miles)} \]
   To answer need to know total distance Paul ran.

5. KI: Rome - 30°C
    Dallas - 83°F
    To answer, need to know formula to convert °C to °F and °F to °C.
1.5 HW (cont)

(14) **KI**: Rack holds 22 DVDs and costs $21

How much will it cost to hold 127 DVDs?

\[ X = \text{DVD RACKS TOTAL COST ($)} \]

**Work**: \[ \frac{127}{22} = 5 \frac{17}{22} \rightarrow \text{So need 6 RACKS} \]

**Answer**: You need to spend $176 on racks.

(16) **KI**: $70 saved

Board costs $250
Plan to save $10 per week

\[ X = \# \text{ weeks needed to save} \]

**Equation**: \[ 250 = 70 + 10X \]

\[ X = 18 \]

**Answer**: It will take 18 weeks to save $250.