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Chapter One Assessment pg 30

Vocab # 1-15 write out sentence
and underline vocab word

Problems # 1-10 show your work for
math problems

For # 10 use $\frac{3.28\text{ft}}{1\text{m}} \times \frac{1\text{yard}}{3\text{ft}}$

Vocab # 1-15 Key

- 1) unit
- 2) English System
- 3) SI
- 4) measurement
- 5) accuracy
- 6) precision
- 7) resolution
- 8) distance
- 9) length
- 10) light year
- 11) meter
- 12) parsec
- 13) significant digits
- 14) conversion factor
- 15) dimensional analysis

Problems # 1-10 Key

1) c. length of small paperclip

2) nano, micro, centi, meter, kilo

3) 2 min 160s (120s), 2 min 50s (170s)

4) 1 hr 3 min 20s (1:03:20) or okay if said \downarrow
1.056 hr, 63.3 min, 3800s

5) 5.10 cm

6) 0.054 Kg $54g \times \frac{Kg}{1000g} = 0.054 Kg$

7) 2.6 m $26 dm \times \frac{m}{10 dm} = 2.6 m$

8) 1,200,000 mm $1200m \times \frac{1000mm}{m} = 1,200,000 mm$

#9) $\frac{525 lbs}{1} \times \frac{Kg}{2.2 lbs} = \frac{240}{\uparrow} Kg$
 $\approx 238.6 Kg$

#10) $\frac{4000.m}{1} \times \frac{3.28ft}{m} \times \frac{1yd}{3ft} = \frac{4373}{\downarrow} yds$
 $3.00ft \quad 4370 yds$