Nov. 15, 2018
Periods 1,2,4,6

Come in quietly, place your homework on your desk.

Warm Up- Read pages 185-187 silently
Define: **Conversion Factor**

Class Work - check over pg. 45 together
Complete pg. 188, ODDS only

Homework - pg. 46 Units of Measure Packet
QUIZ on 7.1, 7.2, 7.3.
You need to know the definitions to the following terms:
rate, ratio, unit rate, proportion, scale, scale drawing, conversion factor

1) $140\,s = \_\_\_\,min$

$$\frac{140\,s}{1} \cdot \frac{1\,m}{60\,s} = \frac{140\,m}{60} = 2\,\text{min. } 20\,s = 2\tfrac{1}{3}\,\text{min.} = 2.\overline{3}\,\text{min}$$

2) $5400\,cm = 54\,m$

$$\frac{5400\,cm}{1} \cdot \frac{1\,m}{100\,cm} = \frac{5400\,m}{100} = 54\,m$$

3) $1500\,L = \_\_\_\,KL$

$$\frac{1500\,L}{1} \cdot \frac{1\,KL}{1000\,L} = \frac{1500\,KL}{1000} = 1.5\,KL$$

4) 75 cm = ____ mm

$$\frac{75\ \text{cm}}{1} \cdot \boxed{\frac{10\ \text{mm}}{1\ \text{cm}}} = \frac{750\ \text{mm}}{1} = \boxed{750\ \text{mm}}$$

5) 100gm = ____ mg

$$\frac{100\ \text{gm}}{1} \cdot \boxed{\frac{1000\ \text{mg}}{1\ \text{gm}}} = \boxed{100{,}000\ \text{mg}}$$

6) 18 mcups = ____ L

$$\frac{18\ \text{mc}}{1} \cdot \boxed{\frac{1\ \text{L}}{4\ \text{mc}}} = 4.5\ \text{L}$$

7) 85 kg = _____ g

$$\frac{85\,\text{kg}}{1} \cdot \boxed{\frac{1000\,\text{g}}{1\,\text{kg}}} = 85000\text{gm}$$

8) 600mL = _____ mc

$$\frac{600\,\text{mL}}{1} \cdot \boxed{\frac{1\,\text{mc}}{250\,\text{mL}}} = \frac{600\text{mc}}{250}$$

$2\frac{2}{5}$ mc or 2.4mc

Conversion Factor: a ratio comparing two equivalent measurements.

Nov. 15, 2018
Period 5

Come in Quietly and Place Quiz 4.3 on your desk.

Warm Up - Pg. 99, # 6

Class Work - Pg. 99 #7-9

Homework -Complete pgs. 101

7)

back yard
$164\ \frac{2}{3}\ yd^2$

$10\frac{2}{5}$ w

y

$15\frac{5}{6}$ y l

$A = l \cdot w$

$A = 15\frac{5}{6} \cdot 10\frac{2}{5}$

$\frac{95}{6} \cdot \frac{52}{5}$ SBM

$19 \quad 26$

$3 \quad 1$

$1\frac{1}{3}$

$1\frac{1}{3}$

$1\frac{1}{3} \cdot 1\frac{1}{3}$

$\frac{4}{3} \cdot \frac{4}{3}$

$\frac{16}{9}$