November 09, 2009

# Unit Conversion WS.

4) $\frac{10.9\ oz.}{1} \times \frac{1\ lbs}{16\ oz.} =$

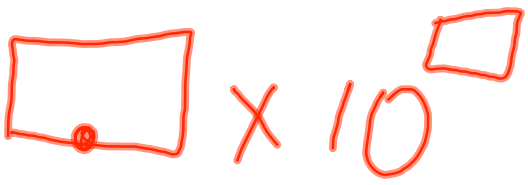
$$5)\ \frac{3{,}333\ in^3}{1} \times \frac{1\ ft^3}{1728\ in^3} \times \frac{1\ yd^3}{27\ ft^3}$$

6) $\frac{2.9 \text{ gall}}{1} \times \frac{231 \text{ in}^3}{1 \text{ gall}}$

7) $\frac{3.7\ qt}{1} \times \frac{1\ gall}{4\ qt} \times \frac{3.785\ l}{1\ gall} =$

8) tons → lbs → kg.

9) Scientific notation



ex: 9,370,000,000 = $9.37 \times 10^{9}$

12) $\frac{2.3\ \text{gall}}{1} \times \frac{\text{qt}}{\text{gall}} \times \frac{\text{pt}}{\text{qt}} \times \frac{2\ \text{cups}}{1\ \text{pt}} =$

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# Extra Practice 4.4 WS.

14) a. Convert 1 pint of punch to scoops using $\frac{2 \text{ scoops}}{1 \text{ pt punch}}$ as the conversion factor.

Do this on b & c also.

15) Convert 70 cm to feet & inches.
Compare it to 3 feet 4 inches

17a) 2 hrs 15 minutes = 2.25 hrs

$2.25 \text{ hrs} \times \frac{5 \text{ mi}}{1 \text{ hrs}} =$ ○

17b) convert 45 minutes to miles run by using $\frac{5 \text{ mi}}{1 \text{ hr}}$ as the conversion unit. Then calculate how many days it would take to run 100 miles using the $d = r \cdot t$ formula.