

PS1-1  
 ⑨ °C 0 → 100 Δ 100  
 K 273 → 373 Δ 100  
 (FP) BP

Δ 1°C = Δ 1 Kelvin

$$\begin{array}{r} 45 \\ -27 \\ \hline 18^\circ\text{C} \end{array}$$

K = C + 273

Sep 13-7:37 AM

PS1-1  
 ⑪ (31/45.20) + 14.000  
 0.69 + 14.000

14.69

4 sig figs

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⑭

$\frac{40 \text{ \$/}}{120 \text{ z}}$        $\frac{149 \text{ \$/}}{3 \text{ l}}$

$\frac{149 \text{ \$/}}{3 \text{ l}}$	$\times$	$\frac{1 \text{ \$/}}{320 \text{ z}}$	=	$\frac{1.47 \text{ \$/}}{0 \text{ z}}$
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$\frac{40 \text{ \$/}}{120 \text{ z}} = \frac{3.33 \text{ \$/}}{0 \text{ z}}$

$\frac{3.33}{1.47} = 2.27$  times more expensive

Sep 13-8:02 AM

⑰

$\frac{8.34 \text{ lb}}{\text{gal}}$       SG H<sub>g</sub> 13.5

$SG = \frac{D_{H_g}}{D_{H_2O}}$        $\frac{13.5}{1} = \frac{D_{H_g}}{8.34}$

$D_H = 112.59 \text{ lb/gal}$

Sep 13-8:10 AM