$55 get 15% discount

$\frac{15}{100} = \frac{x}{55}$ $\quad \frac{100x}{100} = \frac{825}{100}$ $\quad x = \$8.25$

$55.00 − 8.25 = $46.75

Nov 4-1:19 PM

Interest

$5000 given 5% for 1 year

$\frac{5}{100} = \frac{x}{5000}$ $\quad \frac{100x}{100} = \frac{25,000}{100}$ $\quad x = \$250$

$5000 + 250 = $5250

Nov 4-3:04 PM

$A = P\left(1 + \frac{r}{n}\right)^{nt}$

A = Principal plus all interest

P = Amt of $ start with

r = interest rate

n = # of times it's compounded yearly

t = # of years

Nov 4-3:06 PM

Chpt. 5 Review

9% pay 75% on interest

$60,000

$\frac{.75}{100} = \frac{x}{60,000}$

5.6 $2000 8% per year

$\frac{8}{100} = \frac{x}{2000}$ $\quad \frac{100x}{100} = \frac{16,000}{100}$ $\quad x = 160$

2000 + 160 = $2160

Nov 4-3:07 PM

6.4 Convert between the Systems and Temperature (Metric OCS)

meter : a little longer than a yard

liter : " " bigger " " quart

gram : a paper clip weighs @ a gram

1 kg : 1 lb of coffee ≈ 2.2 kg.

≈ - approximately

= equal

.02 .08 .10

Nov 4-3:10 PM

Convert 10 inches to cm 2.54 cm = 1 in.

$10 \text{ in.} \times \frac{2.54 \text{ cm}}{1 \text{ in.}} = 25.4 \text{ cm}$

Convert 15 gallons to liters 3.79 L = 1 gal.

$\frac{15 \text{ gal.}}{1} \times \frac{3.79 \text{ L}}{1 \text{ gal.}} = 56.85 \text{ L}$

34 × 3.79 = 1895 + 3790 = 56.85

Nov 4-3:17 PM

135 lbs × 1 kg / 2.2 lbs = 135/2.2 ≈ 61.3 kg

2.2 lbs = 1 kg

2.2 | 135
61.363
22 | 1350.000
132
30
22
80
66
140
132
8

Nov 4-3:21 PM

Temperature:

Fahrenheit: (US)
Water freezes 32° F
Water boils 212° F

Celsius: (Metric)
Water freezes 0° C
Water Boils 100° C

Nov 4-3:17 PM

F → C : $C = \frac{5(F-32)}{9}$

82°F

$C = \frac{5(82-32)}{9}$

$= \frac{5(50)}{9}$

$= \frac{250}{9}$

$= 27.8°C$

Nov 4-3:30 PM

C → F : $F = \frac{9}{5} \cdot C + 32$

C: 55°C

$F = \frac{9}{5} \cdot 55 + 32$

$F = 99 + 32$

$F = 131°$

Nov 4-3:15 PM