Review Chapter 1 Homework

pg 38 #15

Cereal = C   C and e

eggs = e

C	e
T	T
T	F
F	T
F	F

C and e
T
F
F
F

C or e
T
T
T
F

Pg 38 #20

P → American

q → Canadian

If not American then Canadian

American or Canadian

Pg 39 #45

Converse

If you argee to goto a movie or resturant then I'll go dawntown

Pg 34 # 60

P	q	Not q	P and (Not q)
T	T	F	F
T	F	T	T
F	T	F	F
F	F	T	F

Pg 39 #65

Not (P and q)　　(Not p) or (Not q)

P	q	P and q	Not (P and q)
T	T	T	F
T	F	F	T
F	T	F	T
F	F	F	T

P	q	Not p	Not q	(Not p) or (Not q)
T	T	F	F	F
T	F	F	T	T
F	T	T	F	T
F	F	T	T	T

Py54 #30

S = sunny → 75 sunny
W = Warm   55 warm

20   55   15   10

Pg 55 #40

N   46   T
81
20
31
19
57   50
12
I
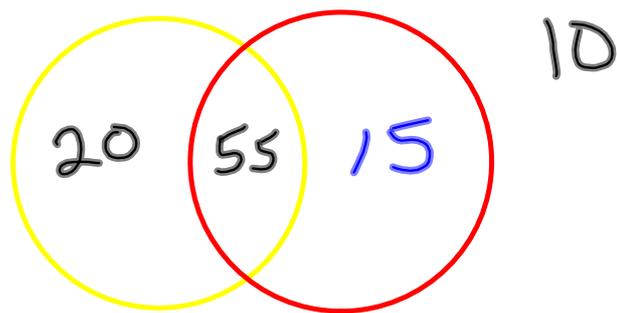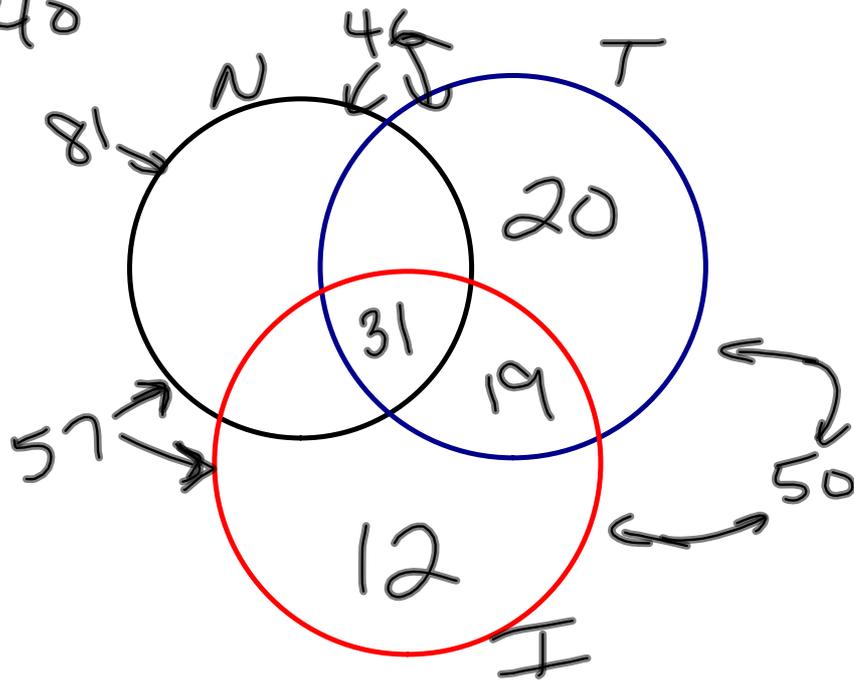
8

$$10^3 = Kilo \qquad \text{Thousand}$$

$$10^6 = Mega \qquad \text{Million}$$

$$10^9 = Giga \qquad \text{Billion}$$

$$10^{12} = Tera \qquad \text{Trillion}$$

$$85 \text{ Billion} \rightarrow 85 \times 10^9$$

$$16.5 \text{ Trillion} \rightarrow 16.5 \times 10^{12}$$

$$\frac{16.5 \times 10^{12}}{85 \times 10^9}$$
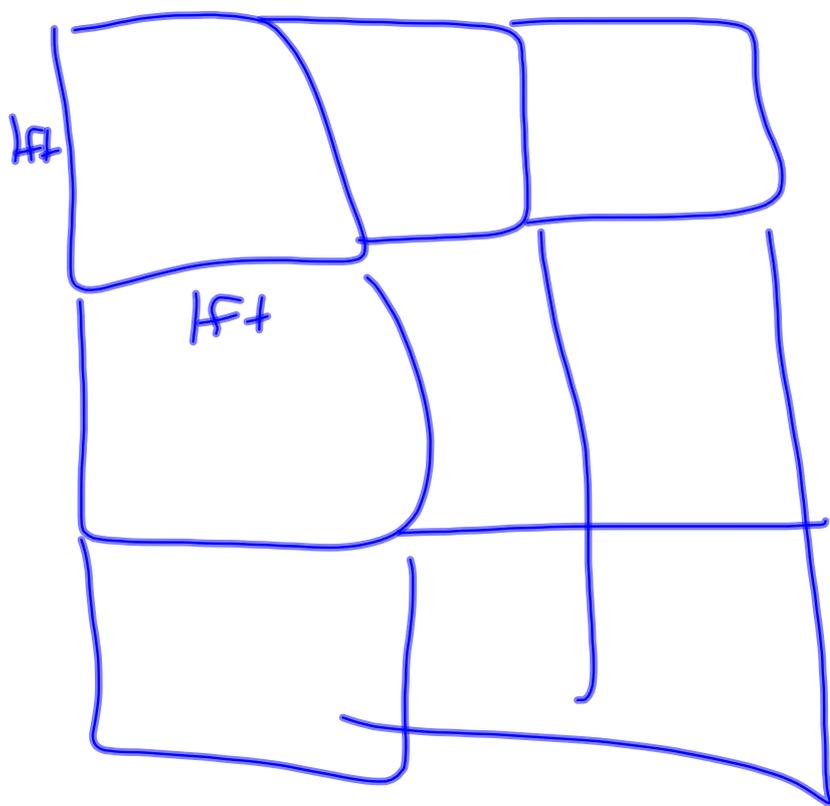
$$.194 \times 10^3$$

$$194$$

1.10 canadian   3.77 USA

Liters   to   Gallons

$$\frac{3.79 \text{ liters}}{1 \text{ gallon}} \cdot \frac{1.10 \text{ C.D.}}{1 \text{ liter}} = \frac{4.169 \text{ C.D.}}{1 \text{ gallon}}$$

$$\frac{4.169 \text{ C.D.}}{1 \text{ gallon}} \cdot \frac{.94 \text{ A.D.}}{1 \text{ C.D.}} = \frac{3.92 \text{ A.D.}}{1 \text{ gallon}}$$

1ft

1ft

$9 sqft = 1 sqyd.$

(1) pg 88 #3

$$\frac{64 - 61.8}{5} = \frac{2.2}{5} = .44\% \text{ per year}$$

$1995 \rightarrow 61.8$

$1998 \rightarrow 61.8 + .44(3) = 63.12\%$

$2000 \rightarrow 64$

$2005 \rightarrow 64 + .44(5) = 66.2\%$