

Monday, Jan. 4th

Rats

Examples from Handout p118

ex #1

of cans: 4 cans → \$3.48
 1st frac. 9 cans → ?
 cost = fraction
 2nd fraction

Set up the equation using proportions
 (fraction = fraction)

$$\frac{4}{9} = \frac{3.48}{x}$$

Whenever we have a fraction = fraction,
 we cross multiply!

$$\frac{4}{9} = \frac{3.48}{x}$$

$$(4)(x) = (9)(3.48)$$

$$\frac{4x}{4} = \frac{31.32}{4}$$

$$x = 7.83$$

The cost of 9 cans, will be \$7.83

Jan 4-9:03 AM

①

Tree: 30m
 1st frac. ?

Shadow: 40m
 20m
 L. of the shadow = 2nd frac.

$$\frac{30}{x} = \frac{40}{20}$$

$$30 = \frac{2x}{1}$$

$$(30)(1) = (2)(x)$$

$$\frac{30}{2} = \frac{2x}{2}$$

$$15 = x$$

The height of the 2nd trees is 15m.

Jan 4-9:21 AM

②

Real life: 5km
 1st fr. 12km

map: 1cm
 2nd frac. ?

$$\frac{5}{12} = \frac{1}{x}$$

$$(5)(x) = (1)(12)$$

$$5x = 12$$

$$\frac{5x}{5} = \frac{12}{5}$$

$$x = 2.40$$

The distance of 12km is represented
 by 2.4cm on the map

Jan 4-9:28 AM