Pg 180-181; 1-3; 5-11; 13-19(o); 20, 21; 23-27(o); 28

1) ratio
2) different
3) one
5) 4/5
6) 6/5
7) 2/3
8) 7/5
9) 0.05 mi/min
10) $.06 tea bag
11) 231 miles
13) 1/4
15) 3/5
17) 11/3
19) 4/5
20) 1/2
21) 5/8
23) 15 mi./day
25) $0.40/can
27) 8 oz./serving
28) 3 books/month

3.8 cont. Ratios & Rates

Oct. 25, 06

You keep track of your car's mileage & gas & from the table below.

Number of Miles	290	242	196	237	184
Number of Gallons	12.1	9.8	8.2	9.5	7.8

Find the average (Unit Rate) mileage for a gallon of gas.

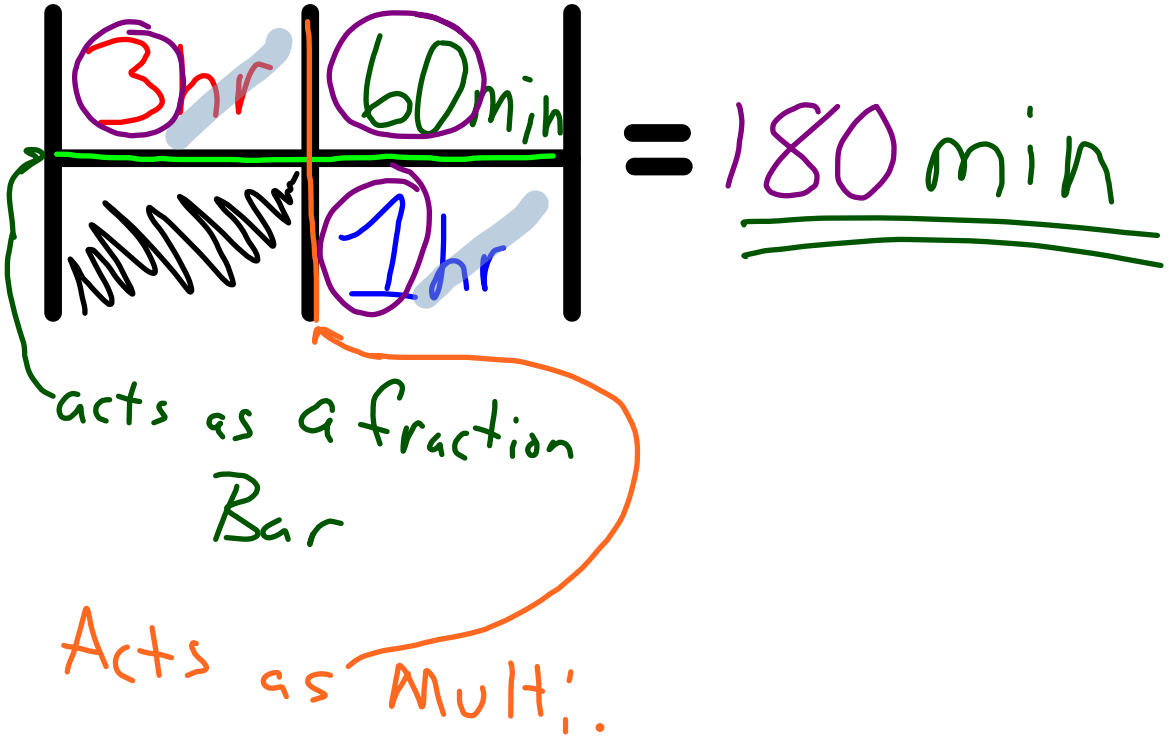
$$\text{Unit Rate} = \frac{\text{mileage}}{\text{gal}} = \frac{1149}{47.4} \approx 24.24 \text{ mi/gal}$$

Convert units

ex1) Convert 3hours into minutes.

Which one is? Bigger. => that gets a 1

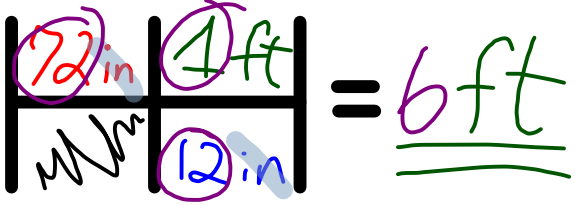
$\frac{1 \text{ hours}}{60 \text{ min}}$



ex2) Convert

72 inches into feet.

* 12 in = 1 ft



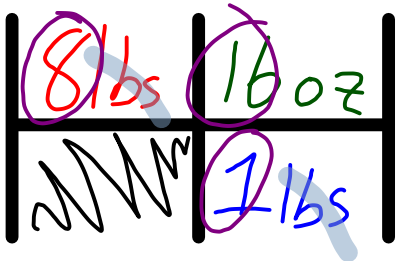
= 6 ft

---

ex3) Convert

8 pounds into ounces.

* 1 lbs = 16 oz



= 128 oz

O.T.L.

① correct y-day's O.T.L.

② pg 180-181; 4, 29-43(all)

16 problems total