

Pg 180-181; 1-3; 5-11; 13-19(0); 20, 21; 23-
27(0); 28

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

3.8 cont. Ratios & Rates

10/25/06

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.

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

Convert units

ex 1) Convert

Which one is?
Bigger

⇒ that gets a 1

3 hours into minutes.

$$\underline{1 \text{ hours}} = \underline{60 \text{ min.}}$$

$$\begin{array}{|c|c|} \hline \textcircled{3} \text{ hrs} & \textcircled{60} \text{ min} \\ \hline \text{|||||} & \textcircled{1} \text{ hr} \\ \hline \end{array} = \underline{\underline{180 \text{ min}}}$$

acts as a fraction Bar

Acts as Multi.

ex2) Convert

72 inches into feet.

$$* \boxed{12 \text{ in}} = \boxed{1 \text{ ft}}$$

$$\begin{array}{|c|c|} \hline 72 \text{ in} & 1 \text{ ft} \\ \hline \text{|||||} & 12 \text{ in} \\ \hline \end{array} = \underline{\underline{6 \text{ ft}}}$$

ex3) Convert

8 pounds into ounces.

$$* \boxed{1 \text{ lbs}} = \boxed{16 \text{ oz}}$$

$$\begin{array}{|c|c|} \hline 8 \text{ lbs} & 16 \text{ oz} \\ \hline \text{|||||} & 1 \text{ lbs} \\ \hline \end{array} = \underline{\underline{128 \text{ oz}}}$$

O.T.L.

① correct y-day's O.T.L.

② pg 180-181; 4, 29-43(all)

16 problems total