

$$\% \rightarrow \frac{n}{d}$$

$$\frac{\%}{100} \quad \% \cdot \frac{1}{100}$$

$$\frac{n}{d} \rightarrow \%$$

$$\frac{n}{d} \cdot \frac{100\%}{1}$$

$$\% \rightarrow \text{Deci}$$

$$\% \div 100$$

move deci. 2x left

$$\text{Deci} \rightarrow \%$$

$$\text{Deci} \times 100$$

move deci 2x right

$$\frac{3}{5} \rightarrow \%$$

$$\frac{3}{5} \cdot \frac{100}{1} = 60\%$$

$$72\% \rightarrow \frac{n}{d}$$

$$\frac{72}{100} \div 2 = \frac{36}{50} \div 2 = \frac{18}{25}$$

$$.28 \rightarrow \%$$

$$28 \times 100 = 28\%$$

$$12.5\% \rightarrow \text{Deci.}$$

$$12.5\% \div 100$$

.125

$$\text{Deci} \rightarrow \frac{n}{d}$$

$$\frac{n}{d} \rightarrow \text{Deci}$$

#  
-----  
place  
value

$$d \overline{) n.000\dots}$$

$$.14$$

$$\frac{14}{100} = \left( \frac{7}{50} \right)$$

$$\frac{1}{8}$$

$$8 \overline{) 1.000}$$

.125

8 ↓  
20 ↓  
16 ↓  
40

# Sales Tax

% of cost

7% on a \$45.25 dinner

$$7\% \times \$45.25$$

$$.07 \times \$45.25$$

$$\begin{array}{r} 45.25 \\ \times .07 \\ \hline 31675 \\ \$3.1675 \\ \hline \$3.17 \end{array}$$

Shape

Common denominator

Operate

+/- Numerators  
and whole #'s

Simplify

Reduce to lowest  
terms

Make improper Mixed  
number

$$2 \frac{3 \times 9}{8 \times 9} + 1 \frac{7 \times 8}{9 \times 8}$$

LCM  $\rightarrow$  LCD

$$2 \frac{27}{72} + 1 \frac{56}{72}$$

$$3 \frac{83}{72}$$

$$\frac{9}{172}$$

$$72 \overline{) 83}$$

$$\underline{72}$$

$$11$$

$$4 \frac{1}{8}$$

$$12 \frac{1 \times 4}{3 \times 4} - 3 \frac{3 \times 3}{4 \times 3}$$

$$11 \frac{4}{12} - 3 \frac{9}{12}$$

$$11 \frac{16}{12} - 3 \frac{9}{12}$$

$$8 \frac{7}{12}$$

$$4k - b$$

$$4(9) - (4)$$

$$36 - 4$$

$$\textcircled{32}$$

Solve when

k is 9

and b is

4

$a^x \rightarrow$  exponent  
base

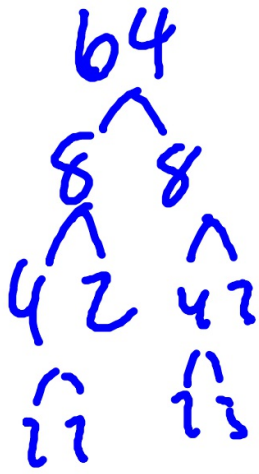
$$5x^4y^2z^3$$

$$5x^4y^2z^3$$

PRIME

FACTORIZATION

w/ EXPONENTS



2x2x2x2x2x2

2<sup>6</sup>