

## Part 1-10 → Dividing Fractions Extra Tough Word Problems

\* Am I really dividing?

\* Which amount goes first?

You are using a  $\frac{3}{4}$  liter pail to fill a  $8\frac{1}{2}$  liter barrel.

How many pail trips are needed to fill the barrel?

$$8\frac{1}{2} \div \frac{3}{4}$$

$$\frac{17}{2} \div \frac{3}{4}$$

$$\frac{17}{2} \times \frac{4}{3} = \frac{68}{6} \div 2 = \frac{34}{3}$$

$$\frac{34}{3}$$

3: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36  
↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑

11 full pails  
plus  $\frac{1}{3}$  for  $\frac{34}{3}$

$11\frac{1}{3}$  pail trips