

Name \_\_\_\_\_

Date \_\_\_\_\_

1. Rewrite the division expression as a fraction and divide. The first two have been started for you.

$\begin{aligned} \text{a. } 2.4 \div 0.8 &= \frac{2.4}{0.8} \\ &= \frac{2.4 \times 10}{0.8 \times 10} \\ &= \frac{24}{8} \\ &= \end{aligned}$	$\begin{aligned} \text{b. } 2.4 \div 0.08 &= \frac{2.4}{0.08} \\ &= \frac{2.4 \times 100}{0.08 \times 100} \\ &= \frac{240}{8} \\ &= \end{aligned}$
$\text{c. } 4.8 \div 0.6 =$	$\text{d. } 0.48 \div 0.06 =$
$\text{e. } 8.4 \div 0.7 =$	$\text{f. } 0.84 \div 0.07 =$

g. $4.5 \div 1.5 =$	h. $0.45 \div 0.15 =$
i. $14.4 \div 1.2 =$	j. $1.44 \div 0.12 =$

2. Leann says  $18 \div 6 = 3$ , so  $1.8 \div 0.6 = 0.3$  and  $0.18 \div 0.06 = 0.03$ . Is Leann correct? Explain how to solve these division problems.

3. Denise is making bean bags. She has 6.4 pounds of beans.

a. If she makes each bean bag 0.8 pounds, how many bean bags will she be able to make?

b. If she decides instead to make mini bean bags that are half as heavy, how many can she make?