

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

 - If she decides instead to make mini bean bags that are half as heavy, how many can she make?
4. A restaurant's small salt shakers contain 0.6 ounces of salt. Its large shakers hold twice as much. The shakers are filled from a container that has 18.6 ounces of salt. If 8 large shakers are filled, how many small shakers can be filled with the remaining salt?