

Name _____

Date _____

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

<p>a. $2.4 \div 0.8 = \frac{2.4}{0.8}$</p> $= \frac{2.4 \times 10}{0.8 \times 10}$ $= \frac{24}{8}$ <p>=</p>	<p>b. $2.4 \div 0.08 = \frac{2.4}{0.08}$</p> $= \frac{2.4 \times 100}{0.08 \times 100}$ $= \frac{240}{8}$ <p>=</p>
<p>c. $4.8 \div 0.6 =$</p>	<p>d. $0.48 \div 0.06 =$</p>
<p>e. $8.4 \div 0.7 =$</p>	<p>f. $0.84 \div 0.07 =$</p>

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?

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?

Answer Key

1.
 - a. 3
 - b. 30
 - c. $\frac{4.8}{0.6}$; 8
 - d. $\frac{0.48}{0.06}$; 8
 - e. $\frac{8.4}{0.7}$; 12
 - f. $\frac{0.84}{0.07}$; 12
 - g. $\frac{4.5}{0.15}$; 3
 - h. $\frac{0.45}{0.15}$; 3
 - i. $\frac{14.4}{1.2}$; 12
 - j. $\frac{1.44}{0.12}$; 12
2. Leann is incorrect; answers will vary
3.
 - a. 8
 - b. 16
4. 15