Name _____ Date _____

1. Fill in the blanks.

   a. $\frac{1}{3} \times 1 = \frac{1}{3} \times \frac{3}{3} = \frac{\_}{9}$

   b. $\frac{2}{3} \times 1 = \frac{2}{3} \times \_ = \frac{14}{21}$

   c. $\frac{5}{2} \times 1 = \frac{5}{2} \times \_ = \frac{25}{\_}$

   d. Compare the first factor to the value of the product.

2. Express each fraction as an equivalent decimal. The first one is partially done for you.

   a. $\frac{3}{4} \times \frac{25}{25} = \frac{3 \times 25}{4 \times 25} = \frac{\_\_}{100} =$

   b. $\frac{1}{4} \times \frac{25}{25} =$

   c. $\frac{2}{5} \times \_ =$

   d. $\frac{3}{5} \times \_ =$

   e. $\frac{3}{20}$

   f. $\frac{25}{20}$

g. $\frac{23}{25}$

h. $\frac{89}{50}$

i. $3\frac{11}{25}$

j. $5\frac{41}{50}$

3. $\frac{6}{8}$ is equivalent to $\frac{3}{4}$. How can you use this to help you write $\frac{6}{8}$ as a decimal? Show your thinking to solve.

4. A number multiplied by a fraction is not always smaller than the original number. Explain this and give at least two examples to support your thinking.

5. Elise has $\frac{3}{4}$ of a dollar. She buys a stamp that costs 44 cents. Change both numbers into decimals, and tell how much money Elise has after paying for the stamp.

ANswer Key

1. a. $\frac{3}{9}$
   b. $\frac{7}{7}$
   c. $\frac{5}{5}$; $\frac{25}{10}$
   d. Answers will vary.
2. a. $\frac{75}{100} = 0.75$
   b. $\frac{25}{100} = 0.25$
   c. $\frac{2}{5} \times \frac{2}{2} = \frac{4}{10} = 0.4$
   d. $\frac{3}{5} \times \frac{2}{2} = \frac{6}{10} = 0.6$
   e. $\frac{3}{20} \times \frac{5}{5} = \frac{15}{100} = 0.15$
   f. $\frac{25}{20} \times \frac{5}{5} = \frac{125}{100} = 1.25$
   g. $\frac{23}{25} \times \frac{4}{4} = \frac{92}{100} = 0.92$
   h. $\frac{89}{50} \times \frac{2}{2} = \frac{178}{100} = 1.78$
   i. $3\frac{11}{25} \times \frac{4}{4} = 3\frac{44}{100} = 3.44$
   j. $5\frac{41}{50} \times \frac{2}{2} = 5\frac{82}{100} = 5.82$
3. $\frac{6}{8} = \frac{3}{4} \times \frac{25}{25} = \frac{75}{100} = 0.75$
4. Answers will vary.
5. $\frac{3}{4} \times \frac{25}{25} = \frac{75}{100} = 0.75$; \$0.75 - \$0.44 = \$0.31; 31 cents