

Lesson 1.4 ~ Multiplying and Dividing Fractions

Name _____ Period _____ Date _____

Find each product. Write your answer in simplest form.

1. $\frac{1}{3} \cdot \frac{1}{4}$

2. $\frac{2}{5} \cdot \frac{1}{4}$

3. $\frac{5}{6} \cdot \frac{1}{2}$

4. $\frac{3}{10} \cdot \frac{4}{5}$

5. $\frac{3}{4} \cdot \frac{2}{3}$

6. $\frac{5}{9} \cdot \frac{1}{5}$

7. Quinn is baking bread. The recipe calls for $\frac{3}{4}$ cup of shortening. If he wants to make a half-batch of bread, how much shortening will he need?

8. Nina bought $\frac{9}{16}$ of a pound of oats. She used one-third of the oats for a batch of cookies. How many pounds of oats did she use in the cookies?

Find each quotient. Write your answer in simplest form.

9. $\frac{3}{5} \div \frac{1}{5}$

10. $\frac{3}{8} \div \frac{2}{5}$

11. $\frac{3}{4} \div \frac{1}{3}$

12. $\frac{7}{10} \div \frac{1}{6}$

13. $\frac{4}{15} \div \frac{1}{10}$

14. $\frac{5}{12} \div \frac{4}{6}$

15. Daniel bought $\frac{15}{16}$ pound of cat food for his kittens. He predicts a serving of cat food is $\frac{1}{8}$ pound. How many servings of cat food did Daniel buy?