Lesson 5.4 ~ Dividing Fractions

Name_____ Period_____ Date_____

Find each quotient. Write your answer in simplest form.

1. $\dfrac{1}{2} \div \dfrac{1}{4}$

2. $\dfrac{5}{6} \div \dfrac{1}{6}$

3. $\dfrac{4}{5} \div \dfrac{1}{10}$

4. $\dfrac{1}{2} \div \dfrac{2}{3}$

5. $\dfrac{4}{5} \div \dfrac{3}{10}$

6. $\dfrac{1}{4} \div \dfrac{1}{7}$

7. $\dfrac{4}{5} \div \dfrac{5}{6}$

8. $\dfrac{11}{12} \div \dfrac{5}{9}$

9. $\dfrac{9}{10} \div \dfrac{3}{8}$

10. $\dfrac{5}{7} \div \dfrac{1}{6}$

11. $\dfrac{7}{9} \div \dfrac{1}{2}$

12. $\dfrac{3}{4} \div \dfrac{3}{5}$

Solve each problem. Show your work.

13. Matthew has a project that requires $\frac{3}{8}$ inch thick boards. He has a board that is $\frac{11}{12}$ inch thick. Will he be able to cut it into three boards which he needs for his project? Show your work.

14. Deanna has $\frac{7}{8}$ cup of brown sugar. Her recipe for a sweet and sour sauce calls for $\frac{1}{4}$ cup of brown sugar. How many batches of her sweet and sour sauce can she make?

15. Musa had $\frac{3}{5}$ ton of grain for all the animals on his large farm. He used $\frac{1}{20}$ ton each day to feed all his animals. How many days was it until Musa needed more grain?

16. Kendrick had $\frac{2}{3}$ of an ice cream cake left. Each piece on the ice cream cake is $\frac{1}{12}$ of the entire cake. How many pieces are left?