Lesson 5.2T ~ Multiplying Fractions

Name_____ Period_____ Date_____

Find each product. Write your answer in simplest form.

1. For $\dfrac{2}{3} \times \dfrac{1}{4}$:

    a. Multiply the numerators. _____ × _____ = _____

    b. Multiply the denominators. _____ × _____ = _____

    c. Write the answer from **part a** over the answer from **part b.** $\dfrac{\text{part a}}{\text{part b}} = \boxed{}$

    d. Is your answer in simplest form?_____ If not, simplify. $\boxed{}$

2. $\dfrac{1}{3} \times \dfrac{1}{3} = \boxed{}$ **3.** $\dfrac{1}{2} \times \dfrac{1}{2} = \boxed{}$

4. $\dfrac{1}{4} \times \dfrac{3}{4} = \boxed{}$ **5.** $\dfrac{3}{5} \times \dfrac{1}{5} = \boxed{}$

6. $\dfrac{3}{8} \times \dfrac{1}{2} = \boxed{}$ **7.** $\dfrac{3}{4} \times \dfrac{2}{3} = \boxed{}$

Find each product. Write your answer in simplest form.

8. $\dfrac{2}{3} \times \dfrac{5}{6} =$ ☐

9. $\dfrac{3}{4} \times \dfrac{5}{6} =$ ☐

10. $\dfrac{7}{8} \times \dfrac{1}{2} =$ ☐

11. $\dfrac{3}{4} \times \dfrac{4}{5} =$ ☐

12. Jack's cookie recipe called for $\frac{1}{2}$ cup of cocoa for each batch. He wanted to make $\frac{1}{3}$ of a batch of cookies. How much cocoa would he need?

13. Melinda saw that $\frac{1}{4}$ of her shirts had buttons. Of these shirts, $\frac{5}{6}$ of them had long sleeves. What fraction of Melinda's shirts had buttons and long sleeves?

14. David made $\frac{2}{3}$ of his putts in golf practice. Samuel made $\frac{3}{5}$ of the amount of putts as David. What fraction of Samuel's putt shots did he make?