Assignment #5: Multiplying Fractions   Name: _____ Class: _____   November 24th 2017

A. Multiply.

1. $\dfrac{4}{9} \times \dfrac{1}{2} =$

2. $\dfrac{7}{10} \times \dfrac{2}{5} =$

3. $\dfrac{3}{8} \times \dfrac{4}{7} =$

4. $\dfrac{2}{3} \times \dfrac{3}{16} =$

5. $\dfrac{3}{4} \times \dfrac{2}{3} =$

6. $\dfrac{7}{6} \times \dfrac{4}{3} =$

7. $\dfrac{5}{6} \times \dfrac{4}{15} =$

8. $\dfrac{2}{9} \times \dfrac{5}{9} =$

9. $\dfrac{3}{15} \times \dfrac{5}{2} =$

10. $\dfrac{3}{4} \times \dfrac{2}{5}$

B. Multiply

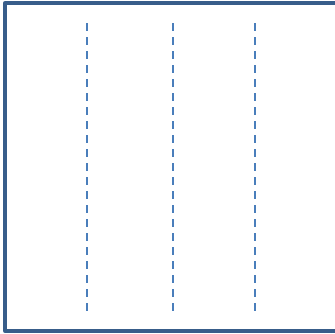**1.** $\dfrac{3}{4} \times 10 =$

2. $1\dfrac{1}{2} \times \dfrac{5}{6} =$

3. $4 \times \dfrac{3}{8} =$

4. $3\dfrac{3}{5} \times 1\dfrac{2}{3} =$

C. Modeling. Model the multiplication by using the rectangles provided. Use two different coloured pencils.

1.

*hint: shade in ¾ then ½

$$\frac{3}{4} \times \frac{1}{2} =$$

2.

*hint: divide the rectangle into thirds, and then shade in ⅓

$$\frac{1}{3} \times \frac{2}{5} =$$

D. Change the mixed numbers to improper fractions.

$$2\frac{3}{4} = \qquad 3\frac{4}{5} = \qquad 4\frac{5}{6} =$$

E. Change the improper fractions to mixed numbers.

$$\frac{17}{2} = \qquad \frac{18}{3} = \qquad \frac{19}{4} =$$

F. Add or Subtract.

$$\frac{3}{4} + \frac{1}{3} = \qquad \frac{1}{6} + \frac{1}{2} = \qquad 1\frac{5}{6} + 2\frac{2}{3} = \qquad \frac{5}{6} - \frac{7}{12} = \qquad 4\frac{1}{2} - 3\frac{11}{12} =$$