# 5.3 Multiplying Fractions and Mixed Numbers

Name_____

**Evaluate the expression. Simplify if possible.**

1) $\frac{1}{10} \bullet \frac{1}{12} =$

2) $\frac{1}{8} \bullet \frac{3}{4} =$

3) $8 \bullet \frac{3}{4} =$

4) $5 \bullet \frac{1}{5} =$

5) $4\frac{1}{8} \bullet \frac{2}{11} =$

6) $\frac{4}{9} \bullet 1\frac{1}{8} =$

7) $3\frac{1}{3} \bullet 2\frac{7}{10} =$

8) $7\frac{1}{2} \bullet 4\frac{2}{5} =$

9) A rectangular platform has a length of $3\frac{1}{4}$ feet. The width is 2 feet less than the length. What is the area of the platform?

10) Each inch on a map represents 18 miles on the ground. How many miles are represented by $2\frac{1}{4}$ inches on the map?

11) Your water cooler contains 5 gallons of water. You drink $\frac{3}{5}$ gallon each day. Do you have enough water to last 6 days?

12) Use the correct order of operations to evaluate the expression: $\frac{1}{2}+\frac{3}{8}\bullet\frac{2}{3}=$

13) Use the correct order of operations to evaluate the expression: $\left(\frac{5}{6}+\frac{5}{12}\right)\bullet\frac{7}{9}=$

Concept Review

14) Simplify the fraction $\frac{26}{6}$