

Lesson 5.3 Multiplying Fractions**Find the product. Simplify if possible.**

1. $\frac{1}{4} \times \frac{2}{9}$

2. $\frac{6}{7} \times \frac{5}{7}$

3. $\frac{2}{49} \times 7$

Evaluate the expression when $x = 4$ and $y = 5$.

4. $\frac{1}{4} \cdot \frac{1}{y} + \frac{3}{10}$

5. $\frac{2}{5}x$

6. Which number, when multiplied by $\frac{5}{8}$, results in a number greater than $\frac{5}{8}$?

a. $\frac{3}{6}$

b. $\frac{2}{3}$

c. $\frac{7}{6}$

d. $\frac{9}{10}$

7. A volkswalk is a non-competitive walk through a neighborhood or countryside. Aleta went on a 6 kilometer volkswalk in Wilsonville. She took a water break when she was $\frac{3}{5}$ of the way through the course. How many meters did she have left to travel when she took her break?**Find the sum or difference.**

8. $8\frac{1}{7} - 3\frac{1}{9}$

9. $4\frac{2}{3} + 9\frac{3}{4}$

10. $4\frac{1}{2} - 3\frac{5}{7}$

11. Nima mowed $\frac{1}{9}$ of the lawn. Later Bonnie mowed $\frac{2}{9}$ of the lawn. How much of the lawn did they mow altogether?12. Diane has four types of roses in her garden. About $\frac{1}{3}$ are red, $\frac{1}{4}$ are white, $\frac{1}{6}$ are pink, and the rest are yellow.
a. What fractional part of the garden has yellow roses? *Explain.*
b. If Diane replaces the pink roses in her garden with yellow roses, how does that change the fractional part of yellow roses in her garden?**Find the sum or difference.**

13. $\frac{1}{4} + \frac{3}{8} - \frac{1}{3}$

14. For a race, Penny ran $\frac{7}{10}$ mile and then swam $\frac{1}{10}$ mile. What was the total distance of the competition?