

Name \_\_\_\_\_

# Multiplying Mixed Numbers

Estimate the product. Then complete the multiplication.

1.  $5\frac{4}{5} \times 7 = \frac{\boxed{\phantom{000}}}{5} \times \frac{7}{1} = \boxed{\phantom{000}}$

2.  $3\frac{2}{3} \times 5\frac{1}{7} = \frac{\boxed{\phantom{000}}}{3} \times \frac{\boxed{\phantom{000}}}{7} = \boxed{\phantom{000}}$

Estimate. Then find each product. Simplify.

3.  $4\frac{3}{5} \times \frac{2}{3}$  \_\_\_\_\_

4.  $6 \times 2\frac{2}{7}$  \_\_\_\_\_

5.  $7\frac{4}{5} \times 2\frac{1}{3}$  \_\_\_\_\_

6.  $3\frac{3}{4} \times 2\frac{4}{5}$  \_\_\_\_\_

7.  $2\frac{1}{5} \times \frac{7}{8}$  \_\_\_\_\_

8.  $6\frac{1}{3} \times 1\frac{5}{6}$  \_\_\_\_\_

9.  $1\frac{4}{5} \times 1\frac{1}{3} \times 1\frac{3}{4}$  \_\_\_\_\_

10.  $\frac{3}{4} \times 2\frac{2}{3} \times 5\frac{1}{5}$  \_\_\_\_\_

11. Write a mixed number for  $p$  so that  $3\frac{1}{4} \times p$  is more than  $3\frac{1}{4}$ .

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12. A model house is built on a base that measures  $9\frac{1}{4}$  in. wide and  $8\frac{4}{5}$  in. long. What is the total area of the model house's base?

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13. Which is  $1\frac{3}{4}$  of  $150\frac{1}{2}$ ?

A 263

B  $263\frac{1}{8}$

C  $263\frac{3}{8}$

D  $264\frac{3}{8}$

14. Megan's dog Sparky eats  $4\frac{1}{4}$  cups of food each day. Explain how Megan can determine how much food to give Sparky if she needs to feed him only  $\frac{2}{3}$  as much. Solve the problem.

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