Name: _____

Reciprocals

Find the reciprocals of the fractions and mixed numbers and write them in the space provided.

a. $\frac{3}{8}$ _____ **b.** $3\frac{1}{11}$ _____ **c.** $\frac{3}{4}$ _____ **d.** $\frac{7}{9}$ _____

e. 9 _____ **f.** $\frac{5}{12}$ _____ **g.** $2\frac{3}{16}$ _____ **h.** $4\frac{5}{8}$ _____

i. $\frac{4}{7}$ _____ **j.** $\frac{2}{5}$ _____ **k.** 24 _____ **l.** $3\frac{4}{9}$ _____

A fraction or mixed number multiplied by its reciprocal will always equal 1.

example: $3\frac{3}{5} \times \frac{5}{18} = 1$

Fill in the missing number to complete the equations.

m. $4\frac{\quad}{7} \times \frac{7}{34} = 1$ **n.** $3 \times \frac{\quad}{3} = 1$ **o.** $\frac{7}{\quad} \times \frac{24}{7} = 1$

p. $\frac{18}{39} \times \frac{\quad}{\quad} = 1$ **q.** $2\frac{\quad}{14} \times \frac{14}{33} = 1$ **r.** $87 \times \frac{\quad}{\quad} = 1$

s. $\frac{\quad}{\quad} \times \frac{1}{100} = 1$ **t.** $\frac{\quad}{45} \times \frac{\quad}{17} = 1$ **u.** $12\frac{\quad}{\quad} \times \frac{2}{25} = 1$

ANSWER KEY

Reciprocals

Find the reciprocals of the fractions and mixed numbers and write them in the space provided.

a. $\frac{3}{8}$ **8/3**

b. $3\frac{1}{11}$ **11/34**

c. $\frac{3}{4}$ **4/3**

d. $\frac{7}{9}$ **9/7**

e. 9 **1/9**

f. $\frac{5}{12}$ **12/5**

g. $2\frac{3}{16}$ **16/35**

h. $4\frac{5}{8}$ **8/37**

i. $\frac{4}{7}$ **7/4**

j. $\frac{2}{5}$ **5/2**

k. 24 **1/24**

l. $3\frac{4}{9}$ **9/31**

A fraction or mixed number multiplied by its reciprocal will always equal 1.

example: $3\frac{3}{5} \times \frac{5}{18} = 1$

Fill in the missing number to complete the equations.

m. $4\frac{6}{7} \times \frac{7}{34} = 1$

n. $3 \times \frac{1}{3} = 1$

o. $\frac{7}{24} \times \frac{24}{7} = 1$

p. $\frac{18}{39} \times \frac{39}{18} = 1$

q. $2\frac{5}{14} \times \frac{14}{33} = 1$

r. $87 \times \frac{1}{87} = 1$

s. $100 \times \frac{1}{100} = 1$

t. $\frac{17}{45} \times \frac{45}{17} = 1$

u. $12\frac{1}{2} \times \frac{2}{25} = 1$