

Name: _____

Finding the Reciprocal

Parts of a Fraction

$\frac{3}{5}$ numerator
 $\frac{3}{5}$ denominator

To find the reciprocal of a fraction, switch the numerator and denominator of the fraction.

Fraction Reciprocal



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

a. $\frac{5}{8}$ _____
 fraction reciprocal

b. $\frac{1}{2}$ _____
 fraction reciprocal

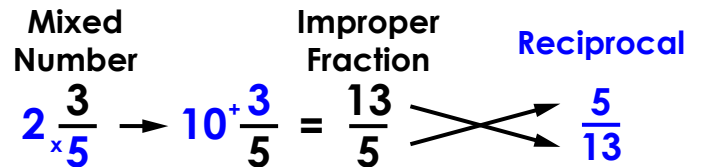
c. $\frac{7}{16}$ _____
 fraction reciprocal

d. $\frac{2}{3}$ _____
 fraction reciprocal

e. $\frac{3}{4}$ _____
 fraction reciprocal

f. $\frac{3}{10}$ _____
 fraction reciprocal

To find the reciprocal of a mixed number, multiply the whole number by the denominator. Add the product to the numerator to make an improper fraction. Then, switch the numerator and denominator.



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

g. $3 \frac{5}{8}$ = _____
 mixed number improper fraction reciprocal

h. $2 \frac{7}{10}$ = _____
 mixed number improper fraction reciprocal

i. $1 \frac{5}{6}$ = _____
 mixed number improper fraction reciprocal

j. $5 \frac{4}{5}$ = _____
 mixed number improper fraction reciprocal

k. $2 \frac{3}{15}$ = _____
 mixed number improper fraction reciprocal

l. $4 \frac{5}{12}$ = _____
 mixed number improper fraction reciprocal

ANSWER KEY

Finding the Reciprocal

Parts of a Fraction

$\frac{3}{5}$ numerator
denominator

To find the reciprocal of a fraction, switch the numerator and denominator of the fraction.

Fraction Reciprocal

$$\frac{3}{5} \rightarrow \frac{5}{3}$$

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

a. $\frac{5}{8}$ fraction $\frac{8}{5}$ reciprocal

b. $\frac{1}{2}$ fraction $\frac{2}{1}$ or 2 reciprocal

c. $\frac{7}{16}$ fraction $\frac{16}{7}$ reciprocal

d. $\frac{2}{3}$ fraction $\frac{3}{2}$ reciprocal

e. $\frac{3}{4}$ fraction $\frac{4}{3}$ reciprocal

f. $\frac{3}{10}$ fraction $\frac{10}{3}$ reciprocal

To find the reciprocal of a mixed number, multiply the whole number by the denominator. Add the product to the numerator to make an improper fraction. Then, switch the numerator and denominator.

Mixed Number Improper Fraction Reciprocal

$$2\frac{3}{5} \rightarrow 10 + \frac{3}{5} = \frac{13}{5} \rightarrow \frac{5}{13}$$

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

g. $3\frac{5}{8}$ mixed number = $\frac{29}{8}$ improper fraction $\frac{8}{29}$ reciprocal

h. $2\frac{7}{10}$ mixed number = $\frac{27}{10}$ improper fraction $\frac{10}{27}$ reciprocal

i. $1\frac{5}{6}$ mixed number = $\frac{11}{6}$ improper fraction $\frac{6}{11}$ reciprocal

j. $5\frac{4}{5}$ mixed number = $\frac{29}{5}$ improper fraction $\frac{5}{29}$ reciprocal

k. $2\frac{3}{15}$ mixed number = $\frac{33}{15}$ improper fraction $\frac{15}{33}$ reciprocal

l. $4\frac{5}{12}$ mixed number = $\frac{53}{12}$ improper fraction $\frac{12}{53}$ reciprocal