## Date:

Finding the Reciprocal
Instructions: Write the reciprocal of each fraction by switching the top and bottom numbers.
$1 \frac{3}{8}$ reciprocal: $\frac{8}{3}$
$2 \quad \frac{8}{12}$ reciprocal: -
$3 \quad \frac{1}{5}$ reciprocal: -
$4 \quad \frac{6}{15}$ reciprocal: -
$5 \quad \frac{3}{4}$ reciprocal: -
$7 \quad \frac{2}{7}$ reciprocal: -
$8 \quad \frac{7}{11}$ reciprocal: -
$9 \quad \frac{8}{19}$ reciprocal: -
$10 \frac{12}{32}$ reciprocal: -

Instructions: Multiply each fraction by its reciprocal to get a 'whole fraction' which is just 1.

1 $\frac{2}{5} \times \frac{5}{2}=\frac{10}{10}=1$

3 $\frac{4}{7} \times-=-=1$
5) $\frac{3}{7} \times-=-=1$
$7 \quad \frac{6}{8} \times-=-=1$
$9 \quad \frac{2}{9} \times-=-=1$

2

$$
\frac{4}{5} \times-=-=1
$$

$4 \quad \frac{5}{3} \times-=-=1$

6 $\frac{1}{11} \times-=-=1$
$8 \frac{7}{9} \times-=-=1$

10

$$
\frac{3}{12} \times-=-=1
$$

## Date:

## Dividing Fractions (Guided Practice)

Instructions: Solve these division problems by multiplying by the reciprocal. Use the guides to help you. You do not need to simplify your answers.
$1 \begin{aligned} & \frac{3}{4} \div \frac{2}{5} \\ & \frac{3}{4} \times \frac{5}{2}=\frac{15}{8}\end{aligned}$
(3) $\frac{1}{7} \div \frac{1}{4}$
$\frac{1}{7} \times-=$
(5) $\frac{3}{5} \div \frac{1}{6}$
$\frac{3}{5} \times-=$
(6) $\frac{4}{8} \div \frac{5}{1}$
$\frac{4}{8} \times-=$
(7) $\frac{5}{8} \div \frac{3}{4}$
$\frac{5}{8} \times-=$
(9) $\frac{7}{9} \div \frac{2}{3}$
$\frac{7}{9} \times-=$
(10) $\frac{1}{8} \div \frac{3}{16}$
$\frac{1}{8} \times-=$
(11) $\frac{5}{11} \div \frac{4}{7}$
$\frac{5}{11} \times-=$
2. $\frac{5}{4} \div \frac{2}{3}$
$\frac{5}{4} \times-=$
(4) $\frac{8}{13} \div \frac{1}{2}$
$\frac{8}{13} \times-=$
(8) $\frac{1}{12} \div \frac{1}{12}$
$\frac{1}{12} \times-=$
math Antics
Worksheets

## Date:

## Dividing Fractions (More Practice)

Instructions: Solve these division problems by multiplying by the reciprocal. You do not need to simplify your answers.
$1 \frac{1}{6} \div \frac{3}{7}$
2. $\frac{5}{6} \div \frac{3}{4}$

$$
\frac{1}{6} \times \frac{7}{3}=\frac{7}{18}
$$

(3) $\frac{5}{12} \div \frac{1}{4}$
(4) $\frac{4}{11} \div \frac{5}{7}$
5. $\frac{4}{7} \div \frac{2}{3}$
(6) $\frac{9}{2} \div \frac{5}{1}$
$7 \frac{6}{5} \div \frac{5}{3}$
(8) $\frac{2}{7} \div \frac{7}{9}$
9) $\frac{1}{16} \div \frac{1}{6}$
$10 \frac{11}{12} \div \frac{2}{3}$
$11 \frac{3}{10} \div \frac{7}{8}$
(12) $\frac{10}{8} \div \frac{8}{9}$
math Antics
Worksheets

## Date:

## Dividing a Fraction by a Whole Number (and Vice-Versa)

Instructions: Solve these division problems. You do not need to simplify your answers in this exercise set.

1) $\frac{3}{5} \div 2=\frac{3}{5} \div \frac{2}{1}$
$25 \div \frac{3}{8}=$
$\frac{3}{5} \times \frac{1}{2}=\frac{3}{10}$

3 $\frac{1}{4} \div 3=$
(4) $10 \div \frac{9}{2}=$
5) $\frac{6}{7} \div 5=$

6 $\frac{1}{4} \div 4=$
$7 \quad 9 \div \frac{4}{7}=$
$8 \quad 8 \div \frac{3}{4}=$
9) $\frac{5}{12} \div 2=$
$104 \div \frac{1}{10}=$

## Date:

## Fractions Made From Fractions

Instructions: Solve these fraction division problems. Some have guides to help you. You do not need to simplify your answers.

1

$$
\frac{\frac{1}{2}}{\frac{5}{7}}=\frac{1}{2} \times \frac{7}{5}=\frac{7}{10}
$$

3

$$
\frac{\frac{4}{7}}{\frac{1}{3}}=\frac{4}{7} \times-=
$$

5

$$
\frac{\frac{3}{8}}{\frac{5}{2}}=\frac{3}{8} \times-=
$$

7

$$
\frac{\frac{5}{9}}{\frac{6}{9}}=\frac{5}{9} \times-=
$$

9

$$
\frac{\frac{1}{5}}{\frac{2}{11}}=\frac{1}{5} \times-=
$$

11

$$
\frac{\frac{7}{12}}{\frac{4}{5}}=\frac{7}{12} \times-=
$$

2. $\frac{\frac{2}{5}}{\frac{6}{7}}=$
4) $\frac{\frac{1}{4}}{\frac{1}{4}}=$

6

$$
\frac{\frac{4}{10}}{\frac{3}{7}}=
$$

8
$\frac{\frac{2}{9}}{\frac{4}{6}}=$

10
$\frac{\frac{9}{12}}{\frac{2}{3}}=$
$12 \frac{\frac{6}{7}}{\frac{8}{9}}=$

