math Antics
Exercises

Name:

Date:

Dividing Fractions

1 What is the reciprocal of $\frac{4}{7}$?

$\frac{7}{4}$

2 What is the reciprocal of $\frac{9}{2}$?

$\frac{2}{9}$

3 $\frac{1}{2} \div \frac{1}{4}$

$\frac{1}{2} \times \frac{4}{1} = \frac{4}{2}$ or 2

4 $\frac{5}{7} \div \frac{2}{3}$

$\frac{5}{7} \times \frac{3}{2} = \frac{15}{14}$ or $1\frac{1}{14}$

5 $\frac{3}{5} \div \frac{2}{7}$

$\frac{3}{5} \times \frac{7}{2} = \frac{21}{10}$ or $2\frac{1}{10}$

6 $\frac{1}{2} \div 2$

$\frac{1}{2} \div \frac{2}{1}$

$\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$

7 $\frac{7}{12} \div 4$

$\frac{7}{12} \div \frac{4}{1}$

$\frac{7}{12} \times \frac{1}{4} = \frac{7}{48}$

8 $6 \div \frac{4}{5}$

$\frac{6}{1} \div \frac{4}{5}$

$\frac{6}{1} \times \frac{5}{4} = \frac{30}{4}$ or $7\frac{1}{2}$

9 $\frac{\frac{3}{8}}{\frac{2}{5}} = \frac{3}{8} \times \frac{5}{2} = \frac{15}{16}$

10 $\frac{\frac{1}{6}}{\frac{5}{9}} = \frac{1}{6} \times \frac{9}{5} = \frac{9}{30}$ or $\frac{3}{10}$

See Video for step-by-step solutions to each problem.