

Name: _____

Dividing Fractions

Example:

$$\frac{4}{7} \div \frac{2}{3} = \frac{4}{7} \times \frac{3}{2}$$

↑ reciprocals ↓

Dividing by a number is the same as multiplying by its reciprocal.

$$\frac{4}{7} \times \frac{3}{2} = \frac{12}{14} = \frac{6}{7}$$



~ PREVIEW ~

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g. $\frac{3}{5} \div \frac{2}{3}$

h. $\frac{8}{9} \div \frac{4}{5}$

i. $\frac{7}{9} \div \frac{1}{2}$

j. $7 \div \frac{7}{8}$

k. $\frac{3}{7} \div \frac{4}{5}$

l. $\frac{2}{3} \div \frac{8}{9}$

ANSWER KEY

Dividing Fractions

Example:

$$\frac{4}{7} \div \frac{2}{3} = \frac{4}{7} \times \frac{3}{2}$$

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$$1^6 = 6^6 = 46^4 = 3$$

$$5^5 = 25$$

$$5^7 = 35$$

g. $\frac{3}{5} \div \frac{2}{3}$
 $\frac{3}{5} \times \frac{3}{2} = \frac{9}{10}$

h. $\frac{8}{9} \div \frac{4}{5}$
 $\frac{8}{9} \times \frac{5}{4} = \frac{40}{36} = 1\frac{4}{36} = 1\frac{1}{9}$

i. $\frac{7}{9} \div \frac{1}{2}$
 $\frac{7}{9} \times \frac{2}{1} = \frac{14}{9} = 1\frac{5}{9}$

j. $7 \div \frac{7}{8}$
 $\frac{7}{1} \times \frac{8}{7} = \frac{56}{7} = 8$

k. $\frac{3}{7} \div \frac{4}{5}$
 $\frac{3}{7} \times \frac{5}{4} = \frac{15}{28}$

l. $\frac{2}{3} \div \frac{8}{9}$
 $\frac{2}{3} \times \frac{9}{8} = \frac{18}{24} = \frac{3}{4}$