


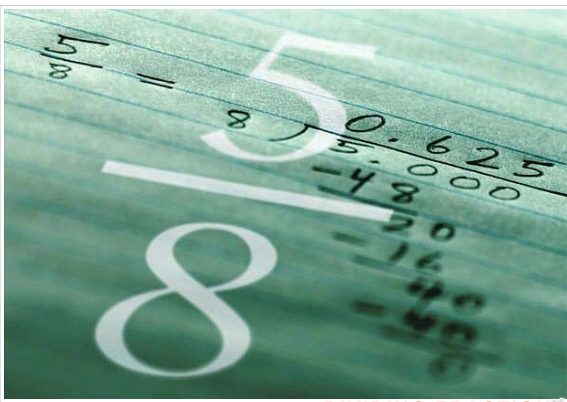
MasterMath

Number Sense


DIVIDING FRACTIONS




DIVIDING FRACTIONS



DIVIDING FRACTIONS



FLIPPED



Reciprocal:
To get the reciprocal of a fraction,
just flip it!

$$\frac{1}{4} \rightarrow \frac{4}{1}$$
$$\frac{8}{9} \rightarrow \frac{9}{8}$$

DIVIDING FRACTIONS

Order of Operations

$3 \times 2 + 3$
 is it $(3 \times 2) + 3 = 6 + 3 = 9$
 or $3 \times (2 + 3) = 3 \times 5 = 15$

DIVIDING FRACTIONS

Parentheses $(3+2)6$

Exponents $3+2^2=7$

Multiply $2 \times 6 + 4 = 16$

Divide $4 \div 2 + 2$

Addition

Subtraction



DIVIDING FRACTIONS

TO DIVIDE BY A FRACTION, JUST
MULTIPLY BY THE RECIPROCAL OF
THE FRACTION

$$3 \div \frac{2}{3} = 3 \times \frac{3}{2} = \frac{9}{2}$$

$$4 \div \frac{1}{4} = 4 \times \frac{4}{1} = 16$$

DIVIDING FRACTIONS

You try it!

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

DIVIDING FRACTIONS

You try it!

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

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

$$6 \times \frac{5}{1} = 30$$

DIVIDING FRACTIONS

You try it!

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

DIVIDING FRACTIONS

You try it!

$$\frac{6}{\frac{1}{2}} = 6 \times 2 = 12$$

DIVIDING FRACTIONS

You try it!

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

(pemdas)

DIVIDING FRACTIONS

You try it!

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

(pemdas)

$$6 + 2 \div \frac{1}{2} = 6 + (2 \div \frac{1}{2}) =$$

$$6 + (2 \times \frac{2}{1}) = 6 + 4 = 10$$

DIVIDING FRACTIONS

You try it!

$$1\frac{1}{8} \div \frac{5}{8}$$

DIVIDING FRACTIONS

You try it!

$$1\frac{1}{8} \div \frac{5}{8}$$

$$1\frac{1}{8} \div \frac{5}{8} = \left(1 + \frac{1}{8}\right) \div \frac{5}{8} =$$

$$\left(\frac{8}{8} + \frac{1}{8}\right) \div \frac{5}{8} = \frac{9}{8} \div \frac{5}{8} =$$

$$\frac{9}{\cancel{8}} \times \frac{\cancel{8}}{5} = \frac{9}{5}$$

DIVIDING FRACTIONS

You try it!

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

DIVIDING FRACTIONS

You try it!

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

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

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

$$\frac{3}{4} \times \frac{2}{3} = \frac{6}{12} = \frac{1}{2}$$

$$1 \frac{1}{2} = \frac{2}{2} + \frac{1}{2} = \frac{3}{2}$$

DIVIDING FRACTIONS

You try it!

Now, try it on your own. Go to www.MasterMath.info;
 download *Dividing Fractions*
 from the Worksheets Page, and test
 your skill.
