

Fractions: Multiply and Divide

Fractions!

Multiply:

To multiply fractions, we just multiply straight across. Multiply Numerators (tops) and Denominators (bottoms). Change to improper fractions. Remember to reduce your answers.

Examples:

$$\frac{1}{8} \times \frac{8}{9}$$

$$1\frac{2}{5} \times \frac{2}{3}$$

Fractions!

Multiply:

$$a.) \frac{7}{11} \times \frac{2}{11} =$$

$$b.) \frac{10}{11} \times \frac{8}{9} =$$

$$c.) \frac{8}{15} \times \frac{2}{3} =$$

$$d.) \frac{2}{5} \times \frac{3}{5} =$$

Fractions!

Multiply:

$$e.) \frac{2}{3} \times \frac{1}{4} =$$

$$f.) \frac{1}{5} \times \frac{3}{4} =$$

$$g.) \frac{1}{2} \times \frac{7}{11} =$$

$$h.) 9\frac{5}{8} \times 5 =$$

Fractions!

Multiply:

$$i.) \frac{1}{4} \times \frac{7}{8} =$$

$$j.) \frac{11}{13} \times \frac{1}{9} =$$

Fractions!

Divide:

To divide fractions, we must do KFC. Then just follow rules for multiplication. (Change to improper fractions.)

KFC stands for:

K- Keep 1st fraction as is.

F - Flip the 2nd fraction (reciprocal).

C - Change the divide to a multiply.

Examples:

$$\frac{8}{6} \div \frac{2}{2}$$

$$1\frac{1}{5} \div \frac{2}{5}$$

Fractions!

Divide:

$$a.) \frac{6}{11} \div \frac{3}{5} =$$

$$b.) \frac{1}{12} \div \frac{7}{9} =$$

$$c.) \frac{1}{11} \div \frac{8}{9} =$$

$$d.) \frac{1}{7} \div \frac{5}{6} =$$

Fractions!

Divide:

$$e.) \frac{2}{3} \div \frac{1}{2} =$$

$$f.) \frac{2}{9} \div \frac{3}{5} =$$

$$g.) \frac{1}{2} \div \frac{7}{11} =$$

$$h.) \frac{7}{11} \div \frac{3}{5} =$$

Fractions!

Divide:

$$i.) \frac{5}{7} \div \frac{1}{12} =$$

$$j.) \frac{1}{2} \div \frac{3}{5} =$$

$$k.) \frac{1}{4} \div 1\frac{1}{3} =$$

$$l.) 4\frac{3}{10} \div 2 =$$

Fractions!

Divide:

$$m.) \ 9\frac{7}{9} \div 2\frac{1}{5} =$$

$$n.) \ \frac{1}{3} \div \frac{2}{5} =$$

$$o.) \ \frac{1}{2} \div \frac{3}{10} =$$

Fractions!

Mixed:

Multiply or Divide the given Fractions. Remember to reduce your answer.

$$a.) \ 12\frac{2}{5} \times 7\frac{3}{8} =$$

$$b.) \ 1\frac{4}{5} \div \frac{3}{4} =$$

Fractions!

Divide:

$$c.) 9\frac{7}{10} \div 10\frac{1}{8} =$$

$$d.) 11 \times 11\frac{1}{4} =$$

$$e.) \frac{6}{13} \times \frac{1}{10} =$$

$$f.) 11 \div 12\frac{7}{9} =$$

Fractions!

Homework:

Multiply and Divide Fractions Worksheet