

NAME _____

DATE _____

MULTIPLY & DIVIDE FRACTIONS: Worksheet 1

Multiply or divide. Simplify all answers.

1) $\frac{3}{8} \times \frac{1}{6}$

2) $\frac{2}{7} \times \frac{1}{5}$

3) $\frac{3}{5} \times \frac{5}{7}$

4) $\frac{1}{2} \times \frac{4}{5}$

5) $\frac{4}{5} \times \frac{10}{11}$

6) $\frac{2}{3} \div \frac{5}{6}$

7) $8 \div \frac{4}{5}$

8) $\frac{3}{8} \div \frac{6}{7}$

9) $\frac{4}{5} \div 10$

10) $\frac{5}{6} \div \frac{5}{12}$

KEY

MULTIPLY & DIVIDE FRACTIONS: Worksheet 1

Multiply or divide. Simplify all answers.

$$1) \quad \frac{3}{8} \times \frac{1}{6}$$
$$\frac{1}{8} \times \frac{1}{2} = \frac{1}{16}$$

$$2) \quad \frac{2}{7} \times \frac{1}{5}$$
$$\frac{2}{7} \times \frac{1}{5} = \frac{2}{35}$$

$$3) \quad \frac{3}{5} \times \frac{5}{7}$$
$$\frac{3}{1} \times \frac{1}{7} = \frac{3}{7}$$

$$4) \quad \frac{1}{2} \times \frac{4}{5}$$
$$\frac{1}{1} \times \frac{2}{5} = \frac{2}{5}$$

$$5) \quad \frac{4}{5} \times \frac{10}{11}$$
$$\frac{4}{1} \times \frac{2}{11} = \frac{8}{11}$$

$$6) \quad \frac{2}{3} \div \frac{5}{6}$$
$$\frac{2}{3} \times \frac{6}{5} = \frac{2}{1} \times \frac{2}{5} = \frac{4}{5}$$

$$7) \quad 8 \div \frac{4}{5}$$
$$\frac{8}{1} \times \frac{5}{4} = \frac{2}{1} \times \frac{5}{1} = 10$$

$$8) \quad \frac{3}{8} \div \frac{6}{7}$$
$$\frac{3}{8} \times \frac{7}{6} = \frac{1}{8} \times \frac{7}{2} = \frac{7}{16}$$

$$9) \quad \frac{4}{5} \div 10$$
$$\frac{4}{5} \div \frac{10}{1} = \frac{4}{5} \times \frac{1}{10} = \frac{2}{5} \times \frac{1}{5} = \frac{2}{25}$$

$$10) \quad \frac{5}{6} \div \frac{5}{12}$$
$$\frac{5}{6} \times \frac{12}{5} = \frac{1}{1} \times \frac{2}{1} = 2$$