

NAME _____

DATE _____

MULTIPLY & DIVIDE FRACTIONS: Worksheet 4

Multiply or divide. Simplify all answers.

1) $\frac{2}{11} \times \frac{3}{4}$

2) $\frac{3}{4} \times \frac{4}{9}$

3) $\frac{1}{16} \times \frac{6}{7}$

4) $\frac{1}{4} \times \frac{8}{9}$

5) $\frac{2}{9} \times \frac{9}{14}$

6) $\frac{1}{5} \div \frac{3}{10}$

7) $\frac{2}{5} \div 12$

8) $\frac{6}{7} \div \frac{2}{7}$

9) $6 \div \frac{2}{3}$

10) $\frac{1}{10} \div \frac{3}{8}$

KEY

MULTIPLY & DIVIDE FRACTIONS: Worksheet 4

Multiply or divide. Simplify all answers.

$$1) \quad \frac{2}{11} \times \frac{3}{4}$$
$$\frac{1}{11} \times \frac{3}{2} = \frac{3}{22}$$

$$2) \quad \frac{3}{4} \times \frac{4}{9}$$
$$\frac{1}{1} \times \frac{1}{3} = \frac{1}{3}$$

$$3) \quad \frac{1}{16} \times \frac{6}{7}$$
$$\frac{1}{8} \times \frac{3}{7} = \frac{3}{56}$$

$$4) \quad \frac{1}{4} \times \frac{8}{9}$$
$$\frac{1}{1} \times \frac{2}{9} = \frac{2}{9}$$

$$5) \quad \frac{2}{9} \times \frac{9}{14}$$
$$\frac{1}{1} \times \frac{1}{7} = \frac{1}{7}$$

$$6) \quad \frac{1}{5} \div \frac{3}{10}$$
$$\frac{1}{5} \times \frac{10}{3} = \frac{1}{1} \times \frac{2}{3} = \frac{2}{3}$$

$$7) \quad \frac{2}{5} \div 12$$
$$\frac{2}{5} \div \frac{12}{1} = \frac{2}{5} \times \frac{1}{12} = \frac{1}{5} \times \frac{1}{6} = \frac{1}{30}$$

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

$$9) \quad 6 \div \frac{2}{3}$$
$$\frac{6}{1} \div \frac{2}{3} = \frac{6}{1} \times \frac{3}{2} = \frac{3}{1} \times \frac{3}{1} = 9$$

$$10) \quad \frac{1}{10} \div \frac{3}{8}$$
$$\frac{1}{10} \times \frac{8}{3} = \frac{1}{5} \times \frac{4}{3} = \frac{4}{15}$$