

NAME \_\_\_\_\_

DATE \_\_\_\_\_

## MULTIPLY &amp; DIVIDE FRACTIONS: Worksheet 2

Multiply or divide. Simplify all answers.

1)  $\frac{5}{8} \times \frac{2}{3}$

2)  $\frac{2}{7} \times \frac{14}{15}$

3)  $\frac{3}{10} \times \frac{2}{7}$

4)  $\frac{1}{2} \times \frac{6}{7}$

5)  $\frac{4}{5} \times \frac{3}{4}$

6)  $\frac{2}{3} \div \frac{5}{9}$

7)  $6 \div \frac{2}{3}$

8)  $\frac{5}{8} \div \frac{5}{6}$

9)  $\frac{3}{4} \div 9$

10)  $\frac{1}{6} \div \frac{1}{12}$

## KEY

### MULTIPLY & DIVIDE FRACTIONS: Worksheet 2

Multiply or divide. Simplify all answers.

$$1) \quad \frac{5}{8} \times \frac{2}{3}$$
$$\frac{5}{4} \times \frac{1}{3} = \frac{5}{12}$$

$$2) \quad \frac{2}{7} \times \frac{14}{15}$$
$$\frac{2}{1} \times \frac{2}{15} = \frac{4}{15}$$

$$3) \quad \frac{3}{10} \times \frac{2}{7}$$
$$\frac{3}{5} \times \frac{1}{7} = \frac{3}{35}$$

$$4) \quad \frac{1}{2} \times \frac{6}{7}$$
$$\frac{1}{1} \times \frac{3}{7} = \frac{3}{7}$$

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

$$6) \quad \frac{2}{3} \div \frac{5}{9}$$
$$\frac{2}{3} \times \frac{9}{5} = \frac{2}{1} \times \frac{3}{5} = \frac{6}{5} = 1\frac{1}{5}$$

$$7) \quad 6 \div \frac{2}{3}$$
$$\frac{6}{1} \times \frac{3}{2} = \frac{3}{1} \times \frac{3}{1} = 9$$

$$8) \quad \frac{5}{8} \div \frac{5}{6}$$
$$\frac{5}{8} \times \frac{6}{5} = \frac{1}{4} \times \frac{3}{1} = \frac{3}{4}$$

$$9) \quad \frac{3}{4} \div 9$$
$$\frac{3}{4} \div \frac{9}{1} = \frac{3}{4} \times \frac{1}{9} = \frac{1}{4} \times \frac{1}{3} = \frac{1}{12}$$

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