

NAME \_\_\_\_\_

DATE \_\_\_\_\_

## MULTIPLY &amp; DIVIDE FRACTIONS: Worksheet 3

Multiply or divide. Simplify all answers.

1)  $\frac{5}{7} \times \frac{3}{10}$

2)  $\frac{3}{7} \times \frac{7}{8}$

3)  $\frac{3}{10} \times \frac{6}{7}$

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

5)  $\frac{2}{3} \times \frac{9}{10}$

6)  $\frac{1}{4} \div \frac{5}{8}$

7)  $14 \div \frac{2}{5}$

8)  $\frac{4}{5} \div \frac{2}{3}$

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

10)  $\frac{2}{5} \div \frac{3}{10}$

## KEY

### MULTIPLY & DIVIDE FRACTIONS: Worksheet 3

Multiply or divide. Simplify all answers.

$$1) \quad \frac{5}{7} \times \frac{3}{10}$$
$$\frac{1}{7} \times \frac{3}{2} = \frac{3}{14}$$

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

$$3) \quad \frac{3}{10} \times \frac{6}{7}$$
$$\frac{3}{5} \times \frac{3}{7} = \frac{9}{35}$$

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

$$5) \quad \frac{2}{3} \times \frac{9}{10}$$
$$\frac{1}{1} \times \frac{3}{5} = \frac{3}{5}$$

$$6) \quad \frac{1}{4} \div \frac{5}{8}$$
$$\frac{1}{4} \times \frac{8}{5} = \frac{1}{1} \times \frac{2}{5} = \frac{2}{5}$$

$$7) \quad 14 \div \frac{2}{5}$$
$$\frac{14}{1} \times \frac{5}{2} = \frac{7}{1} \times \frac{5}{1} = 35$$

$$8) \quad \frac{4}{5} \div \frac{2}{3}$$
$$\frac{4}{5} \times \frac{3}{2} = \frac{2}{5} \times \frac{3}{1} = \frac{6}{5} = 1\frac{1}{5}$$

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

$$10) \quad \frac{2}{5} \div \frac{3}{10}$$
$$\frac{2}{5} \times \frac{10}{3} = \frac{2}{1} \times \frac{2}{3} = \frac{4}{3} = 1\frac{1}{3}$$