

# Multiplying and Dividing Various Fractions (F)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Score: \_\_\_\_\_

Calculate each result.

1.  $1\frac{3}{8} \div 2\frac{4}{9} = \text{---} \div \text{---} = \text{---} \times \text{---} = \text{---} = \text{---}$

2.  $3\frac{1}{2} \div \frac{7}{2} = \text{---} \div \text{---} = \text{---} \times \text{---} = \text{---} = \text{---}$

3.  $\frac{4}{5} \times 2\frac{1}{8} = \text{---} \times \text{---} = \text{---} = \text{---} = \text{---}$

4.  $\frac{2}{3} \times 3\frac{3}{5} = \text{---} \times \text{---} = \text{---} = \text{---} = \text{---}$

5.  $\frac{1}{2} \div 1\frac{1}{2} = \text{---} \div \text{---} = \text{---} \times \text{---} = \text{---} = \text{---}$

6.  $\frac{3}{2} \div \frac{1}{2} = \text{---} \times \text{---} = \text{---} = \text{---}$

7.  $2\frac{1}{4} \div \frac{3}{2} = \text{---} \div \text{---} = \text{---} \times \text{---} = \text{---} = \text{---} = \text{---}$

8.  $\frac{10}{3} \times \frac{3}{5} = \text{---} = \text{---}$

9.  $2\frac{2}{3} \times 1\frac{1}{2} = \text{---} \times \text{---} = \text{---} = \text{---}$

10.  $\frac{8}{7} \times \frac{14}{5} = \text{---} = \text{---} = \text{---}$

## Multiplying and Dividing Various Fractions (F) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Score: \_\_\_\_\_

Calculate each result.

$$1. \quad 1\frac{3}{8} \div 2\frac{4}{9} = \frac{11}{8} \div \frac{22}{9} = \frac{11}{8} \times \frac{9}{22} = \frac{99}{176} = \frac{9}{16}$$

$$2. \quad 3\frac{1}{2} \div \frac{7}{2} = \frac{7}{2} \div \frac{7}{2} = \frac{7}{2} \times \frac{2}{7} = \frac{14}{14} = 1$$

$$3. \quad \frac{4}{5} \times 2\frac{1}{8} = \frac{4}{5} \times \frac{17}{8} = \frac{68}{40} = \frac{17}{10} = 1\frac{7}{10}$$

$$4. \quad \frac{2}{3} \times 3\frac{3}{5} = \frac{2}{3} \times \frac{18}{5} = \frac{36}{15} = \frac{12}{5} = 2\frac{2}{5}$$

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

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

$$7. \quad 2\frac{1}{4} \div \frac{3}{2} = \frac{9}{4} \div \frac{3}{2} = \frac{9}{4} \times \frac{2}{3} = \frac{18}{12} = \frac{3}{2} = 1\frac{1}{2}$$

$$8. \quad \frac{10}{3} \times \frac{3}{5} = \frac{30}{15} = 2$$

$$9. \quad 2\frac{2}{3} \times 1\frac{1}{2} = \frac{8}{3} \times \frac{3}{2} = \frac{24}{6} = 4$$

$$10. \quad \frac{8}{7} \times \frac{14}{5} = \frac{112}{35} = \frac{16}{5} = 3\frac{1}{5}$$