

PRACTICE DRILL 10—MULTIPLYING AND DIVIDING FRACTIONS (MIDDLE AND UPPER LEVELS ONLY)

1. $\frac{2}{3} \times \frac{1}{2} =$

2. $\frac{5}{8} \div \frac{1}{2} =$

3. $\frac{4}{5} \times \frac{3}{10} =$

4. $\frac{24}{15} \times \frac{10}{16} =$

5. $\frac{16}{25} \div \frac{4}{5} =$

Practice Drill 10—Multiplying and Dividing Fractions

1. $\frac{1}{3}$

$$\frac{2 \times 1}{3 \times 2} = \frac{2}{6} = \frac{1}{3}$$

2. $1\frac{1}{4}$ or $\frac{5}{4}$

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

3. $\frac{6}{25}$

$$\frac{4 \times 3}{5 \times 10} = \frac{12}{50} = \frac{6}{25}$$

4. 1

$$\frac{24 \times 10}{15 \times 16} = \frac{240}{240} = 1$$

5. $\frac{4}{5}$

$$\frac{16}{25} \times \frac{5}{4} = \frac{16 \times 5}{25 \times 4} = \frac{80}{100} = \frac{4}{5}$$