

# Multiplying and Dividing Proper and Mixed Fractions (A)

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

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

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

Calculate each result.

$$1. \quad \frac{2}{3} \div 2\frac{4}{7} = \underline{\quad} \div \underline{\quad} = \underline{\quad} \times \underline{\quad} = \underline{\quad} = \underline{\quad}$$

Convert ↑                      Inversion                      Result                      Simplify

$$2. \quad \frac{1}{2} \div 3\frac{3}{4} = \underline{\quad} \div \underline{\quad} = \underline{\quad} \times \underline{\quad} = \underline{\quad} = \underline{\quad}$$

$$3. \quad \frac{3}{4} \times 2\frac{1}{3} = \underline{\quad} \times \underline{\quad} = \underline{\quad} = \underline{\quad} = \underline{\quad}$$

$$4. \quad \frac{3}{4} \div 1\frac{1}{5} = \underline{\quad} \div \underline{\quad} = \underline{\quad} \times \underline{\quad} = \underline{\quad} = \underline{\quad}$$

$$5. \quad 3\frac{5}{9} \times \frac{1}{4} = \underline{\quad} \times \underline{\quad} = \underline{\quad} = \underline{\quad}$$

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

$$7. \quad 2\frac{8}{9} \times \frac{1}{2} = \underline{\quad} \times \underline{\quad} = \underline{\quad} = \underline{\quad} = \underline{\quad}$$

$$8. \quad \frac{1}{2} \times 3\frac{1}{3} = \underline{\quad} \times \underline{\quad} = \underline{\quad} = \underline{\quad} = \underline{\quad}$$

$$9. \quad 1\frac{1}{2} \times \frac{1}{6} = \underline{\quad} \times \underline{\quad} = \underline{\quad} = \underline{\quad}$$

$$10. \quad \frac{1}{3} \div 2\frac{1}{3} = \underline{\quad} \div \underline{\quad} = \underline{\quad} \times \underline{\quad} = \underline{\quad} = \underline{\quad}$$

# Multiplying and Dividing Proper and Mixed Fractions (A) Answers

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

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

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

Calculate each result.

$$1. \frac{2}{3} \div 2\frac{4}{7} = \frac{2}{3} \div \frac{18}{7} = \frac{2}{3} \times \frac{7}{18} = \frac{14}{54} = \frac{7}{27}$$

$$2. \frac{1}{2} \div 3\frac{3}{4} = \frac{1}{2} \div \frac{15}{4} = \frac{1}{2} \times \frac{4}{15} = \frac{4}{30} = \frac{2}{15}$$

$$3. \frac{3}{4} \times 2\frac{1}{3} = \frac{3}{4} \times \frac{7}{3} = \frac{21}{12} = \frac{7}{4} = 1\frac{3}{4}$$

$$4. \frac{3}{4} \div 1\frac{1}{5} = \frac{3}{4} \div \frac{6}{5} = \frac{3}{4} \times \frac{5}{6} = \frac{15}{24} = \frac{5}{8}$$

$$5. 3\frac{5}{9} \times \frac{1}{4} = \frac{32}{9} \times \frac{1}{4} = \frac{32}{36} = \frac{8}{9}$$

$$6. \frac{1}{3} \div 1\frac{1}{3} = \frac{1}{3} \div \frac{4}{3} = \frac{1}{3} \times \frac{3}{4} = \frac{3}{12} = \frac{1}{4}$$

$$7. 2\frac{8}{9} \times \frac{1}{2} = \frac{26}{9} \times \frac{1}{2} = \frac{26}{18} = \frac{13}{9} = 1\frac{4}{9}$$

$$8. \frac{1}{2} \times 3\frac{1}{3} = \frac{1}{2} \times \frac{10}{3} = \frac{10}{6} = \frac{5}{3} = 1\frac{2}{3}$$

$$9. 1\frac{1}{2} \times \frac{1}{6} = \frac{3}{2} \times \frac{1}{6} = \frac{3}{12} = \frac{1}{4}$$

$$10. \frac{1}{3} \div 2\frac{1}{3} = \frac{1}{3} \div \frac{7}{3} = \frac{1}{3} \times \frac{3}{7} = \frac{3}{21} = \frac{1}{7}$$

# Multiplying and Dividing Proper and Mixed Fractions (B)

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

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

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

Calculate each result.

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

2.  $\frac{7}{9} \times 1\frac{4}{5} = \text{---} \times \text{---} = \text{---} = \text{---} = \text{---}$

3.  $\frac{1}{8} \times 1\frac{1}{7} = \text{---} \times \text{---} = \text{---} = \text{---}$

4.  $\frac{5}{9} \times 2\frac{1}{4} = \text{---} \times \text{---} = \text{---} = \text{---} = \text{---}$

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

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

7.  $\frac{5}{8} \div 2\frac{1}{2} = \text{---} \div \text{---} = \text{---} \times \text{---} = \text{---} = \text{---}$

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

9.  $\frac{5}{7} \div 2\frac{1}{2} = \text{---} \div \text{---} = \text{---} \times \text{---} = \text{---} = \text{---}$

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

# Multiplying and Dividing Proper and Mixed Fractions (B) Answers

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

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

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

Calculate each result.

$$1. \quad \frac{4}{7} \times 2\frac{1}{2} = \frac{4}{7} \times \frac{5}{2} = \frac{20}{14} = \frac{10}{7} = 1\frac{3}{7}$$

$$2. \quad \frac{7}{9} \times 1\frac{4}{5} = \frac{7}{9} \times \frac{9}{5} = \frac{63}{45} = \frac{7}{5} = 1\frac{2}{5}$$

$$3. \quad \frac{1}{8} \times 1\frac{1}{7} = \frac{1}{8} \times \frac{8}{7} = \frac{8}{56} = \frac{1}{7}$$

$$4. \quad \frac{5}{9} \times 2\frac{1}{4} = \frac{5}{9} \times \frac{9}{4} = \frac{45}{36} = \frac{5}{4} = 1\frac{1}{4}$$

$$5. \quad \frac{1}{2} \times 2\frac{2}{7} = \frac{1}{2} \times \frac{16}{7} = \frac{16}{14} = \frac{8}{7} = 1\frac{1}{7}$$

$$6. \quad \frac{1}{4} \div 3\frac{1}{2} = \frac{1}{4} \div \frac{7}{2} = \frac{1}{4} \times \frac{2}{7} = \frac{2}{28} = \frac{1}{14}$$

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

$$8. \quad \frac{3}{5} \div 1\frac{1}{2} = \frac{3}{5} \div \frac{3}{2} = \frac{3}{5} \times \frac{2}{3} = \frac{6}{15} = \frac{2}{5}$$

$$9. \quad \frac{5}{7} \div 2\frac{1}{2} = \frac{5}{7} \div \frac{5}{2} = \frac{5}{7} \times \frac{2}{5} = \frac{10}{35} = \frac{2}{7}$$

$$10. \quad \frac{3}{4} \div 3\frac{3}{5} = \frac{3}{4} \div \frac{18}{5} = \frac{3}{4} \times \frac{5}{18} = \frac{15}{72} = \frac{5}{24}$$

# Multiplying and Dividing Proper and Mixed Fractions (C)

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

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

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

Calculate each result.

1.  $2\frac{1}{3} \times \frac{5}{7} = \text{---} \times \text{---} = \text{---} = \text{---} = \text{---}$

2.  $\frac{1}{3} \times 3\frac{6}{7} = \text{---} \times \text{---} = \text{---} = \text{---} = \text{---}$

3.  $\frac{5}{7} \div 3\frac{3}{7} = \text{---} \div \text{---} = \text{---} \times \text{---} = \text{---} = \text{---}$

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

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

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

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

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

9.  $\frac{1}{2} \times 2\frac{6}{7} = \text{---} \times \text{---} = \text{---} = \text{---} = \text{---}$

10.  $1\frac{1}{6} \times \frac{3}{4} = \text{---} \times \text{---} = \text{---} = \text{---}$

## Multiplying and Dividing Proper and Mixed Fractions (C) Answers

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

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

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

Calculate each result.

$$1. \quad 2\frac{1}{3} \times \frac{5}{7} = \frac{7}{3} \times \frac{5}{7} = \frac{35}{21} = \frac{5}{3} = 1\frac{2}{3}$$

$$2. \quad \frac{1}{3} \times 3\frac{6}{7} = \frac{1}{3} \times \frac{27}{7} = \frac{27}{21} = \frac{9}{7} = 1\frac{2}{7}$$

$$3. \quad \frac{5}{7} \div 3\frac{3}{7} = \frac{5}{7} \div \frac{24}{7} = \frac{5}{7} \times \frac{7}{24} = \frac{35}{168} = \frac{5}{24}$$

$$4. \quad \frac{3}{4} \div 2\frac{1}{4} = \frac{3}{4} \div \frac{9}{4} = \frac{3}{4} \times \frac{4}{9} = \frac{12}{36} = \frac{1}{3}$$

$$5. \quad 1\frac{1}{6} \div \frac{2}{3} = \frac{7}{6} \div \frac{2}{3} = \frac{7}{6} \times \frac{3}{2} = \frac{21}{12} = \frac{7}{4} = 1\frac{3}{4}$$

$$6. \quad \frac{2}{3} \div 1\frac{1}{5} = \frac{2}{3} \div \frac{6}{5} = \frac{2}{3} \times \frac{5}{6} = \frac{10}{18} = \frac{5}{9}$$

$$7. \quad \frac{1}{4} \div 1\frac{1}{2} = \frac{1}{4} \div \frac{3}{2} = \frac{1}{4} \times \frac{2}{3} = \frac{2}{12} = \frac{1}{6}$$

$$8. \quad \frac{1}{9} \times 1\frac{1}{2} = \frac{1}{9} \times \frac{3}{2} = \frac{3}{18} = \frac{1}{6}$$

$$9. \quad \frac{1}{2} \times 2\frac{6}{7} = \frac{1}{2} \times \frac{20}{7} = \frac{20}{14} = \frac{10}{7} = 1\frac{3}{7}$$

$$10. \quad 1\frac{1}{6} \times \frac{3}{4} = \frac{7}{6} \times \frac{3}{4} = \frac{21}{24} = \frac{7}{8}$$

# Multiplying and Dividing Proper and Mixed Fractions (D)

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

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

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

Calculate each result.

1.  $\frac{1}{9} \div 3\frac{1}{3} = \underline{\quad} \div \underline{\quad} = \underline{\quad} \times \underline{\quad} = \underline{\quad} = \underline{\quad}$

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

3.  $1\frac{3}{4} \times \frac{2}{3} = \underline{\quad} \times \underline{\quad} = \underline{\quad} = \underline{\quad} = \underline{\quad}$

4.  $\frac{1}{4} \times 2\frac{2}{7} = \underline{\quad} \times \underline{\quad} = \underline{\quad} = \underline{\quad}$

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

6.  $\frac{4}{9} \div 3\frac{1}{3} = \underline{\quad} \div \underline{\quad} = \underline{\quad} \times \underline{\quad} = \underline{\quad} = \underline{\quad}$

7.  $1\frac{1}{7} \div \frac{4}{5} = \underline{\quad} \div \underline{\quad} = \underline{\quad} \times \underline{\quad} = \underline{\quad} = \underline{\quad} = \underline{\quad}$

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

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

10.  $3\frac{3}{5} \times \frac{1}{2} = \underline{\quad} \times \underline{\quad} = \underline{\quad} = \underline{\quad} = \underline{\quad}$

## Multiplying and Dividing Proper and Mixed Fractions (D) Answers

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

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

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

Calculate each result.

$$1. \frac{1}{9} \div 3\frac{1}{3} = \frac{1}{9} \div \frac{10}{3} = \frac{1}{9} \times \frac{3}{10} = \frac{3}{90} = \frac{1}{30}$$

$$2. 3\frac{1}{3} \times \frac{1}{6} = \frac{10}{3} \times \frac{1}{6} = \frac{10}{18} = \frac{5}{9}$$

$$3. 1\frac{3}{4} \times \frac{2}{3} = \frac{7}{4} \times \frac{2}{3} = \frac{14}{12} = \frac{7}{6} = 1\frac{1}{6}$$

$$4. \frac{1}{4} \times 2\frac{2}{7} = \frac{1}{4} \times \frac{16}{7} = \frac{16}{28} = \frac{4}{7}$$

$$5. \frac{1}{2} \times 3\frac{1}{3} = \frac{1}{2} \times \frac{10}{3} = \frac{10}{6} = \frac{5}{3} = 1\frac{2}{3}$$

$$6. \frac{4}{9} \div 3\frac{1}{3} = \frac{4}{9} \div \frac{10}{3} = \frac{4}{9} \times \frac{3}{10} = \frac{12}{90} = \frac{2}{15}$$

$$7. 1\frac{1}{7} \div \frac{4}{5} = \frac{8}{7} \div \frac{4}{5} = \frac{8}{7} \times \frac{5}{4} = \frac{40}{28} = \frac{10}{7} = 1\frac{3}{7}$$

$$8. \frac{2}{3} \div 2\frac{5}{6} = \frac{2}{3} \div \frac{17}{6} = \frac{2}{3} \times \frac{6}{17} = \frac{12}{51} = \frac{4}{17}$$

$$9. \frac{5}{6} \div 2\frac{1}{6} = \frac{5}{6} \div \frac{13}{6} = \frac{5}{6} \times \frac{6}{13} = \frac{30}{78} = \frac{5}{13}$$

$$10. 3\frac{3}{5} \times \frac{1}{2} = \frac{18}{5} \times \frac{1}{2} = \frac{18}{10} = \frac{9}{5} = 1\frac{4}{5}$$



# Multiplying and Dividing Proper and Mixed Fractions (E)

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

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

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

Calculate each result.

1.  $\frac{1}{3} \times 3\frac{6}{7} = \text{---} \times \text{---} = \text{---} = \text{---} = \text{---}$

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

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

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

5.  $1\frac{2}{7} \div \frac{3}{4} = \text{---} \div \text{---} = \text{---} \times \text{---} = \text{---} = \text{---} = \text{---}$

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

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

8.  $1\frac{1}{8} \div \frac{7}{8} = \text{---} \div \text{---} = \text{---} \times \text{---} = \text{---} = \text{---} = \text{---}$

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

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

# Multiplying and Dividing Proper and Mixed Fractions (E) Answers

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

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

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

Calculate each result.

$$1. \frac{1}{3} \times 3\frac{6}{7} = \frac{1}{3} \times \frac{27}{7} = \frac{27}{21} = \frac{9}{7} = 1\frac{2}{7}$$

$$2. 2\frac{1}{3} \times \frac{2}{7} = \frac{7}{3} \times \frac{2}{7} = \frac{14}{21} = \frac{2}{3}$$

$$3. \frac{5}{6} \div 3\frac{1}{2} = \frac{5}{6} \div \frac{7}{2} = \frac{5}{6} \times \frac{2}{7} = \frac{10}{42} = \frac{5}{21}$$

$$4. \frac{3}{4} \div 3\frac{1}{2} = \frac{3}{4} \div \frac{7}{2} = \frac{3}{4} \times \frac{2}{7} = \frac{6}{28} = \frac{3}{14}$$

$$5. 1\frac{2}{7} \div \frac{3}{4} = \frac{9}{7} \div \frac{3}{4} = \frac{9}{7} \times \frac{4}{3} = \frac{36}{21} = \frac{12}{7} = 1\frac{5}{7}$$

$$6. \frac{4}{5} \div 2\frac{2}{5} = \frac{4}{5} \div \frac{12}{5} = \frac{4}{5} \times \frac{5}{12} = \frac{20}{60} = \frac{1}{3}$$

$$7. \frac{3}{5} \times 2\frac{2}{3} = \frac{3}{5} \times \frac{8}{3} = \frac{24}{15} = \frac{8}{5} = 1\frac{3}{5}$$

$$8. 1\frac{1}{8} \div \frac{7}{8} = \frac{9}{8} \div \frac{7}{8} = \frac{9}{8} \times \frac{8}{7} = \frac{72}{56} = \frac{9}{7} = 1\frac{2}{7}$$

$$9. \frac{1}{4} \times 1\frac{1}{3} = \frac{1}{4} \times \frac{4}{3} = \frac{4}{12} = \frac{1}{3}$$

$$10. \frac{2}{3} \times 2\frac{3}{4} = \frac{2}{3} \times \frac{11}{4} = \frac{22}{12} = \frac{11}{6} = 1\frac{5}{6}$$

# Multiplying and Dividing Proper and Mixed Fractions (F)

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

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

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

Calculate each result.

1.  $\frac{1}{6} \div 3\frac{3}{8} = \text{---} \div \text{---} = \text{---} \times \text{---} = \text{---} = \text{---}$

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

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

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

5.  $\frac{5}{6} \div 3\frac{5}{6} = \text{---} \div \text{---} = \text{---} \times \text{---} = \text{---} = \text{---}$

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

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

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

9.  $1\frac{2}{7} \times \frac{1}{3} = \text{---} \times \text{---} = \text{---} = \text{---}$

10.  $3\frac{3}{8} \times \frac{1}{3} = \text{---} \times \text{---} = \text{---} = \text{---} = \text{---}$

## Multiplying and Dividing Proper and Mixed Fractions (F) Answers

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

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

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

Calculate each result.

$$1. \frac{1}{6} \div 3\frac{3}{8} = \frac{1}{6} \div \frac{27}{8} = \frac{1}{6} \times \frac{8}{27} = \frac{8}{162} = \frac{4}{81}$$

$$2. \frac{1}{6} \div 1\frac{2}{3} = \frac{1}{6} \div \frac{5}{3} = \frac{1}{6} \times \frac{3}{5} = \frac{3}{30} = \frac{1}{10}$$

$$3. \frac{1}{2} \times 3\frac{3}{5} = \frac{1}{2} \times \frac{18}{5} = \frac{18}{10} = \frac{9}{5} = 1\frac{4}{5}$$

$$4. \frac{1}{2} \times 2\frac{2}{5} = \frac{1}{2} \times \frac{12}{5} = \frac{12}{10} = \frac{6}{5} = 1\frac{1}{5}$$

$$5. \frac{5}{6} \div 3\frac{5}{6} = \frac{5}{6} \div \frac{23}{6} = \frac{5}{6} \times \frac{6}{23} = \frac{30}{138} = \frac{5}{23}$$

$$6. \frac{1}{2} \div 3\frac{1}{8} = \frac{1}{2} \div \frac{25}{8} = \frac{1}{2} \times \frac{8}{25} = \frac{8}{50} = \frac{4}{25}$$

$$7. \frac{1}{3} \div 2\frac{1}{9} = \frac{1}{3} \div \frac{19}{9} = \frac{1}{3} \times \frac{9}{19} = \frac{9}{57} = \frac{3}{19}$$

$$8. 3\frac{1}{3} \times \frac{1}{2} = \frac{10}{3} \times \frac{1}{2} = \frac{10}{6} = \frac{5}{3} = 1\frac{2}{3}$$

$$9. 1\frac{2}{7} \times \frac{1}{3} = \frac{9}{7} \times \frac{1}{3} = \frac{9}{21} = \frac{3}{7}$$

$$10. 3\frac{3}{8} \times \frac{1}{3} = \frac{27}{8} \times \frac{1}{3} = \frac{27}{24} = \frac{9}{8} = 1\frac{1}{8}$$

# Multiplying and Dividing Proper and Mixed Fractions (G)

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

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

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

Calculate each result.

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

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

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

4.  $2\frac{1}{6} \times \frac{6}{7} = \text{---} \times \text{---} = \text{---} = \text{---} = \text{---}$

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

6.  $1\frac{1}{3} \times \frac{7}{8} = \text{---} \times \text{---} = \text{---} = \text{---} = \text{---}$

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

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

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

10.  $1\frac{2}{3} \times \frac{4}{5} = \text{---} \times \text{---} = \text{---} = \text{---} = \text{---}$

# Multiplying and Dividing Proper and Mixed Fractions (G) Answers

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

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

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

Calculate each result.

$$1. \frac{2}{3} \times 2\frac{1}{2} = \frac{2}{3} \times \frac{5}{2} = \frac{10}{6} = \frac{5}{3} = 1\frac{2}{3}$$

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

$$3. \frac{4}{9} \div 1\frac{1}{3} = \frac{4}{9} \div \frac{4}{3} = \frac{4}{9} \times \frac{3}{4} = \frac{12}{36} = \frac{1}{3}$$

$$4. 2\frac{1}{6} \times \frac{6}{7} = \frac{13}{6} \times \frac{6}{7} = \frac{78}{42} = \frac{13}{7} = 1\frac{6}{7}$$

$$5. \frac{1}{2} \times 1\frac{1}{3} = \frac{1}{2} \times \frac{4}{3} = \frac{4}{6} = \frac{2}{3}$$

$$6. 1\frac{1}{3} \times \frac{7}{8} = \frac{4}{3} \times \frac{7}{8} = \frac{28}{24} = \frac{7}{6} = 1\frac{1}{6}$$

$$7. \frac{1}{4} \div 3\frac{1}{2} = \frac{1}{4} \div \frac{7}{2} = \frac{1}{4} \times \frac{2}{7} = \frac{2}{28} = \frac{1}{14}$$

$$8. 1\frac{1}{8} \div \frac{3}{5} = \frac{9}{8} \div \frac{3}{5} = \frac{9}{8} \times \frac{5}{3} = \frac{45}{24} = \frac{15}{8} = 1\frac{7}{8}$$

$$9. \frac{8}{9} \div 2\frac{1}{3} = \frac{8}{9} \div \frac{7}{3} = \frac{8}{9} \times \frac{3}{7} = \frac{24}{63} = \frac{8}{21}$$

$$10. 1\frac{2}{3} \times \frac{4}{5} = \frac{5}{3} \times \frac{4}{5} = \frac{20}{15} = \frac{4}{3} = 1\frac{1}{3}$$

# Multiplying and Dividing Proper and Mixed Fractions (H)

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

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

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

Calculate each result.

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

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

3.  $1\frac{1}{3} \div \frac{7}{9} = \text{---} \div \text{---} = \text{---} \times \text{---} = \text{---} = \text{---} = \text{---}$

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

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

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

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

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

9.  $\frac{8}{9} \div 3\frac{1}{7} = \text{---} \div \text{---} = \text{---} \times \text{---} = \text{---} = \text{---}$

10.  $2\frac{4}{5} \times \frac{1}{6} = \text{---} \times \text{---} = \text{---} = \text{---}$

# Multiplying and Dividing Proper and Mixed Fractions (H) Answers

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

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

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

Calculate each result.

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

$$2. \quad 1\frac{1}{8} \times \frac{2}{3} = \frac{9}{8} \times \frac{2}{3} = \frac{18}{24} = \frac{3}{4}$$

$$3. \quad 1\frac{1}{3} \div \frac{7}{9} = \frac{4}{3} \div \frac{7}{9} = \frac{4}{3} \times \frac{9}{7} = \frac{36}{21} = \frac{12}{7} = 1\frac{5}{7}$$

$$4. \quad \frac{4}{7} \div 2\frac{2}{7} = \frac{4}{7} \div \frac{16}{7} = \frac{4}{7} \times \frac{7}{16} = \frac{28}{112} = \frac{1}{4}$$

$$5. \quad \frac{1}{2} \times 2\frac{4}{5} = \frac{1}{2} \times \frac{14}{5} = \frac{14}{10} = \frac{7}{5} = 1\frac{2}{5}$$

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

$$7. \quad \frac{3}{4} \div 1\frac{3}{4} = \frac{3}{4} \div \frac{7}{4} = \frac{3}{4} \times \frac{4}{7} = \frac{12}{28} = \frac{3}{7}$$

$$8. \quad \frac{2}{3} \div 3\frac{1}{3} = \frac{2}{3} \div \frac{10}{3} = \frac{2}{3} \times \frac{3}{10} = \frac{6}{30} = \frac{1}{5}$$

$$9. \quad \frac{8}{9} \div 3\frac{1}{7} = \frac{8}{9} \div \frac{22}{7} = \frac{8}{9} \times \frac{7}{22} = \frac{56}{198} = \frac{28}{99}$$

$$10. \quad 2\frac{4}{5} \times \frac{1}{6} = \frac{14}{5} \times \frac{1}{6} = \frac{14}{30} = \frac{7}{15}$$



# Multiplying and Dividing Proper and Mixed Fractions (I)

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

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

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

Calculate each result.

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

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

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

4.  $\frac{2}{7} \div 2\frac{2}{9} = \text{---} \div \text{---} = \text{---} \times \text{---} = \text{---} = \text{---}$

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

6.  $3\frac{1}{2} \times \frac{2}{9} = \text{---} \times \text{---} = \text{---} = \text{---}$

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

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

9.  $1\frac{1}{5} \times \frac{1}{2} = \text{---} \times \text{---} = \text{---} = \text{---}$

10.  $\frac{1}{3} \times 1\frac{1}{5} = \text{---} \times \text{---} = \text{---} = \text{---}$

## Multiplying and Dividing Proper and Mixed Fractions (I) Answers

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

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

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

Calculate each result.

$$1. \frac{1}{2} \times 3\frac{1}{3} = \frac{1}{2} \times \frac{10}{3} = \frac{10}{6} = \frac{5}{3} = 1\frac{2}{3}$$

$$2. \frac{2}{9} \div 2\frac{1}{3} = \frac{2}{9} \div \frac{7}{3} = \frac{2}{9} \times \frac{3}{7} = \frac{6}{63} = \frac{2}{21}$$

$$3. \frac{3}{4} \div 1\frac{1}{2} = \frac{3}{4} \div \frac{3}{2} = \frac{3}{4} \times \frac{2}{3} = \frac{6}{12} = \frac{1}{2}$$

$$4. \frac{2}{7} \div 2\frac{2}{9} = \frac{2}{7} \div \frac{20}{9} = \frac{2}{7} \times \frac{9}{20} = \frac{18}{140} = \frac{9}{70}$$

$$5. 3\frac{1}{3} \times \frac{1}{4} = \frac{10}{3} \times \frac{1}{4} = \frac{10}{12} = \frac{5}{6}$$

$$6. 3\frac{1}{2} \times \frac{2}{9} = \frac{7}{2} \times \frac{2}{9} = \frac{14}{18} = \frac{7}{9}$$

$$7. \frac{1}{3} \div 2\frac{2}{3} = \frac{1}{3} \div \frac{8}{3} = \frac{1}{3} \times \frac{3}{8} = \frac{3}{24} = \frac{1}{8}$$

$$8. \frac{1}{2} \div 1\frac{1}{2} = \frac{1}{2} \div \frac{3}{2} = \frac{1}{2} \times \frac{2}{3} = \frac{2}{6} = \frac{1}{3}$$

$$9. 1\frac{1}{5} \times \frac{1}{2} = \frac{6}{5} \times \frac{1}{2} = \frac{6}{10} = \frac{3}{5}$$

$$10. \frac{1}{3} \times 1\frac{1}{5} = \frac{1}{3} \times \frac{6}{5} = \frac{6}{15} = \frac{2}{5}$$

# Multiplying and Dividing Proper and Mixed Fractions (J)

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

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

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

Calculate each result.

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

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

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

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

5.  $2\frac{6}{7} \times \frac{3}{8} = \text{---} \times \text{---} = \text{---} = \text{---} = \text{---}$

6.  $3\frac{3}{7} \times \frac{1}{2} = \text{---} \times \text{---} = \text{---} = \text{---} = \text{---}$

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

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

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

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

# Multiplying and Dividing Proper and Mixed Fractions (J) Answers

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

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

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

Calculate each result.

$$1. \frac{1}{2} \times 3\frac{1}{3} = \frac{1}{2} \times \frac{10}{3} = \frac{10}{6} = \frac{5}{3} = 1\frac{2}{3}$$

$$2. \frac{4}{9} \times 2\frac{1}{2} = \frac{4}{9} \times \frac{5}{2} = \frac{20}{18} = \frac{10}{9} = 1\frac{1}{9}$$

$$3. \frac{1}{3} \div 3\frac{1}{3} = \frac{1}{3} \div \frac{10}{3} = \frac{1}{3} \times \frac{3}{10} = \frac{3}{30} = \frac{1}{10}$$

$$4. \frac{1}{2} \div 3\frac{1}{2} = \frac{1}{2} \div \frac{7}{2} = \frac{1}{2} \times \frac{2}{7} = \frac{2}{14} = \frac{1}{7}$$

$$5. 2\frac{6}{7} \times \frac{3}{8} = \frac{20}{7} \times \frac{3}{8} = \frac{60}{56} = \frac{15}{14} = 1\frac{1}{14}$$

$$6. 3\frac{3}{7} \times \frac{1}{2} = \frac{24}{7} \times \frac{1}{2} = \frac{24}{14} = \frac{12}{7} = 1\frac{5}{7}$$

$$7. \frac{2}{3} \div 2\frac{2}{3} = \frac{2}{3} \div \frac{8}{3} = \frac{2}{3} \times \frac{3}{8} = \frac{6}{24} = \frac{1}{4}$$

$$8. \frac{2}{5} \times 3\frac{1}{2} = \frac{2}{5} \times \frac{7}{2} = \frac{14}{10} = \frac{7}{5} = 1\frac{2}{5}$$

$$9. \frac{2}{3} \div 2\frac{1}{3} = \frac{2}{3} \div \frac{7}{3} = \frac{2}{3} \times \frac{3}{7} = \frac{6}{21} = \frac{2}{7}$$

$$10. \frac{1}{2} \div 1\frac{1}{2} = \frac{1}{2} \div \frac{3}{2} = \frac{1}{2} \times \frac{2}{3} = \frac{2}{6} = \frac{1}{3}$$