

# Multiplying and Dividing Improper Fractions (A)

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

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

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

Calculate each result.

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

Inversion                      Result                      Simplify                      Convert ↓

$$2. \quad \frac{11}{8} \div \frac{5}{2} = \text{---} \times \text{---} = \text{---} = \text{---}$$

$$3. \quad \frac{11}{6} \times \frac{9}{5} = \text{---} = \text{---} = \text{---}$$

$$4. \quad \frac{7}{3} \div \frac{13}{6} = \text{---} \times \text{---} = \text{---} = \text{---} = \text{---}$$

$$5. \quad \frac{13}{9} \times \frac{3}{2} = \text{---} = \text{---} = \text{---}$$

$$6. \quad \frac{5}{4} \times \frac{9}{5} = \text{---} = \text{---} = \text{---}$$

$$7. \quad \frac{5}{2} \div \frac{20}{9} = \text{---} \times \text{---} = \text{---} = \text{---} = \text{---}$$

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

$$9. \quad \frac{11}{8} \times \frac{8}{5} = \text{---} = \text{---} = \text{---}$$

$$10. \quad \frac{12}{5} \times \frac{7}{4} = \text{---} = \text{---} = \text{---}$$

## Multiplying and Dividing Improper Fractions (A) Answers

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

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

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

Calculate each result.

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

$$2. \quad \frac{11}{8} \div \frac{5}{2} = \frac{11}{8} \times \frac{2}{5} = \frac{22}{40} = \frac{11}{20}$$

$$3. \quad \frac{11}{6} \times \frac{9}{5} = \frac{99}{30} = \frac{33}{10} = 3\frac{3}{10}$$

$$4. \quad \frac{7}{3} \div \frac{13}{6} = \frac{7}{3} \times \frac{6}{13} = \frac{42}{39} = \frac{14}{13} = 1\frac{1}{13}$$

$$5. \quad \frac{13}{9} \times \frac{3}{2} = \frac{39}{18} = \frac{13}{6} = 2\frac{1}{6}$$

$$6. \quad \frac{5}{4} \times \frac{9}{5} = \frac{45}{20} = \frac{9}{4} = 2\frac{1}{4}$$

$$7. \quad \frac{5}{2} \div \frac{20}{9} = \frac{5}{2} \times \frac{9}{20} = \frac{45}{40} = \frac{9}{8} = 1\frac{1}{8}$$

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

$$9. \quad \frac{11}{8} \times \frac{8}{5} = \frac{88}{40} = \frac{11}{5} = 2\frac{1}{5}$$

$$10. \quad \frac{12}{5} \times \frac{7}{4} = \frac{84}{20} = \frac{21}{5} = 4\frac{1}{5}$$

# Multiplying and Dividing Improper Fractions (B)

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

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

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

Calculate each result.

1.  $\frac{7}{4} \times \frac{13}{7} = \underline{\quad} = \underline{\quad} = \underline{\quad}$

2.  $\frac{11}{4} \div \frac{9}{4} = \underline{\quad} \times \underline{\quad} = \underline{\quad} = \underline{\quad} = \underline{\quad}$

3.  $\frac{13}{6} \div \frac{11}{6} = \underline{\quad} \times \underline{\quad} = \underline{\quad} = \underline{\quad} = \underline{\quad}$

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

5.  $\frac{8}{3} \times \frac{9}{5} = \underline{\quad} = \underline{\quad} = \underline{\quad}$

6.  $\frac{19}{8} \div \frac{3}{2} = \underline{\quad} \times \underline{\quad} = \underline{\quad} = \underline{\quad} = \underline{\quad}$

7.  $\frac{9}{7} \times \frac{14}{5} = \underline{\quad} = \underline{\quad} = \underline{\quad}$

8.  $\frac{20}{9} \div \frac{7}{6} = \underline{\quad} \times \underline{\quad} = \underline{\quad} = \underline{\quad} = \underline{\quad}$

9.  $\frac{3}{2} \times \frac{7}{6} = \underline{\quad} = \underline{\quad} = \underline{\quad}$

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

## Multiplying and Dividing Improper Fractions (B) Answers

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

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

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

Calculate each result.

$$1. \quad \frac{7}{4} \times \frac{13}{7} = \frac{91}{28} = \frac{13}{4} = 3\frac{1}{4}$$

$$2. \quad \frac{11}{4} \div \frac{9}{4} = \frac{11}{4} \times \frac{4}{9} = \frac{44}{36} = \frac{11}{9} = 1\frac{2}{9}$$

$$3. \quad \frac{13}{6} \div \frac{11}{6} = \frac{13}{6} \times \frac{6}{11} = \frac{78}{66} = \frac{13}{11} = 1\frac{2}{11}$$

$$4. \quad \frac{5}{4} \times \frac{7}{5} = \frac{35}{20} = \frac{7}{4} = 1\frac{3}{4}$$

$$5. \quad \frac{8}{3} \times \frac{9}{5} = \frac{72}{15} = \frac{24}{5} = 4\frac{4}{5}$$

$$6. \quad \frac{19}{8} \div \frac{3}{2} = \frac{19}{8} \times \frac{2}{3} = \frac{38}{24} = \frac{19}{12} = 1\frac{7}{12}$$

$$7. \quad \frac{9}{7} \times \frac{14}{5} = \frac{126}{35} = \frac{18}{5} = 3\frac{3}{5}$$

$$8. \quad \frac{20}{9} \div \frac{7}{6} = \frac{20}{9} \times \frac{6}{7} = \frac{120}{63} = \frac{40}{21} = 1\frac{19}{21}$$

$$9. \quad \frac{3}{2} \times \frac{7}{6} = \frac{21}{12} = \frac{7}{4} = 1\frac{3}{4}$$

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

## Multiplying and Dividing Improper Fractions (C)

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

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

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

Calculate each result.

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

2.  $\frac{14}{9} \times \frac{5}{2} = \underline{\quad} = \underline{\quad} = \underline{\quad}$

3.  $\frac{17}{8} \div \frac{17}{7} = \underline{\quad} \times \underline{\quad} = \underline{\quad} = \underline{\quad}$

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

5.  $\frac{11}{6} \times \frac{9}{7} = \underline{\quad} = \underline{\quad} = \underline{\quad}$

6.  $\frac{11}{5} \times \frac{5}{4} = \underline{\quad} = \underline{\quad} = \underline{\quad}$

7.  $\frac{7}{3} \times \frac{9}{5} = \underline{\quad} = \underline{\quad} = \underline{\quad}$

8.  $\frac{15}{8} \div \frac{17}{8} = \underline{\quad} \times \underline{\quad} = \underline{\quad} = \underline{\quad}$

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

10.  $\frac{18}{7} \div \frac{11}{7} = \underline{\quad} \times \underline{\quad} = \underline{\quad} = \underline{\quad} = \underline{\quad}$

## Multiplying and Dividing Improper Fractions (C) Answers

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

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

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

Calculate each result.

$$1. \quad \frac{9}{4} \times \frac{5}{3} = \frac{45}{12} = \frac{15}{4} = 3\frac{3}{4}$$

$$2. \quad \frac{14}{9} \times \frac{5}{2} = \frac{70}{18} = \frac{35}{9} = 3\frac{8}{9}$$

$$3. \quad \frac{17}{8} \div \frac{17}{7} = \frac{17}{8} \times \frac{7}{17} = \frac{119}{136} = \frac{7}{8}$$

$$4. \quad \frac{3}{2} \div \frac{12}{7} = \frac{3}{2} \times \frac{7}{12} = \frac{21}{24} = \frac{7}{8}$$

$$5. \quad \frac{11}{6} \times \frac{9}{7} = \frac{99}{42} = \frac{33}{14} = 2\frac{5}{14}$$

$$6. \quad \frac{11}{5} \times \frac{5}{4} = \frac{55}{20} = \frac{11}{4} = 2\frac{3}{4}$$

$$7. \quad \frac{7}{3} \times \frac{9}{5} = \frac{63}{15} = \frac{21}{5} = 4\frac{1}{5}$$

$$8. \quad \frac{15}{8} \div \frac{17}{8} = \frac{15}{8} \times \frac{8}{17} = \frac{120}{136} = \frac{15}{17}$$

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

$$10. \quad \frac{18}{7} \div \frac{11}{7} = \frac{18}{7} \times \frac{7}{11} = \frac{126}{77} = \frac{18}{11} = 1\frac{7}{11}$$

# Multiplying and Dividing Improper Fractions (D)

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

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

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

Calculate each result.

1.  $\frac{10}{7} \times \frac{13}{5} = \underline{\quad} = \underline{\quad} = \underline{\quad}$

2.  $\frac{7}{6} \div \frac{11}{4} = \underline{\quad} \times \underline{\quad} = \underline{\quad} = \underline{\quad}$

3.  $\frac{17}{6} \times \frac{14}{9} = \underline{\quad} = \underline{\quad} = \underline{\quad}$

4.  $\frac{16}{7} \div \frac{4}{3} = \underline{\quad} \times \underline{\quad} = \underline{\quad} = \underline{\quad} = \underline{\quad}$

5.  $\frac{8}{3} \div \frac{10}{7} = \underline{\quad} \times \underline{\quad} = \underline{\quad} = \underline{\quad} = \underline{\quad}$

6.  $\frac{11}{4} \div \frac{3}{2} = \underline{\quad} \times \underline{\quad} = \underline{\quad} = \underline{\quad} = \underline{\quad}$

7.  $\frac{5}{2} \div \frac{19}{8} = \underline{\quad} \times \underline{\quad} = \underline{\quad} = \underline{\quad} = \underline{\quad}$

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

9.  $\frac{18}{7} \times \frac{13}{9} = \underline{\quad} = \underline{\quad} = \underline{\quad}$

10.  $\frac{3}{2} \times \frac{16}{9} = \underline{\quad} = \underline{\quad} = \underline{\quad}$

## Multiplying and Dividing Improper Fractions (D) Answers

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

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

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

Calculate each result.

$$1. \quad \frac{10}{7} \times \frac{13}{5} = \frac{130}{35} = \frac{26}{7} = 3\frac{5}{7}$$

$$2. \quad \frac{7}{6} \div \frac{11}{4} = \frac{7}{6} \times \frac{4}{11} = \frac{28}{66} = \frac{14}{33}$$

$$3. \quad \frac{17}{6} \times \frac{14}{9} = \frac{238}{54} = \frac{119}{27} = 4\frac{11}{27}$$

$$4. \quad \frac{16}{7} \div \frac{4}{3} = \frac{16}{7} \times \frac{3}{4} = \frac{48}{28} = \frac{12}{7} = 1\frac{5}{7}$$

$$5. \quad \frac{8}{3} \div \frac{10}{7} = \frac{8}{3} \times \frac{7}{10} = \frac{56}{30} = \frac{28}{15} = 1\frac{13}{15}$$

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

$$7. \quad \frac{5}{2} \div \frac{19}{8} = \frac{5}{2} \times \frac{8}{19} = \frac{40}{38} = \frac{20}{19} = 1\frac{1}{19}$$

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

$$9. \quad \frac{18}{7} \times \frac{13}{9} = \frac{234}{63} = \frac{26}{7} = 3\frac{5}{7}$$

$$10. \quad \frac{3}{2} \times \frac{16}{9} = \frac{48}{18} = \frac{8}{3} = 2\frac{2}{3}$$



# Multiplying and Dividing Improper Fractions (E)

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

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

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

Calculate each result.

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

2.  $\frac{16}{9} \div \frac{7}{3} = \text{---} \times \text{---} = \text{---} = \text{---}$

3.  $\frac{5}{2} \div \frac{13}{8} = \text{---} \times \text{---} = \text{---} = \text{---} = \text{---}$

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

5.  $\frac{11}{4} \div \frac{13}{6} = \text{---} \times \text{---} = \text{---} = \text{---} = \text{---}$

6.  $\frac{7}{4} \times \frac{11}{7} = \text{---} = \text{---} = \text{---}$

7.  $\frac{10}{7} \times \frac{7}{4} = \text{---} = \text{---} = \text{---}$

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

9.  $\frac{12}{7} \times \frac{7}{3} = \text{---} =$

10.  $\frac{16}{9} \times \frac{7}{4} = \text{---} = \text{---} = \text{---}$

## Multiplying and Dividing Improper Fractions (E) Answers

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

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

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

Calculate each result.

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

$$2. \quad \frac{16}{9} \div \frac{7}{3} = \frac{16}{9} \times \frac{3}{7} = \frac{48}{63} = \frac{16}{21}$$

$$3. \quad \frac{5}{2} \div \frac{13}{8} = \frac{5}{2} \times \frac{8}{13} = \frac{40}{26} = \frac{20}{13} = 1\frac{7}{13}$$

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

$$5. \quad \frac{11}{4} \div \frac{13}{6} = \frac{11}{4} \times \frac{6}{13} = \frac{66}{52} = \frac{33}{26} = 1\frac{7}{26}$$

$$6. \quad \frac{7}{4} \times \frac{11}{7} = \frac{77}{28} = \frac{11}{4} = 2\frac{3}{4}$$

$$7. \quad \frac{10}{7} \times \frac{7}{4} = \frac{70}{28} = \frac{5}{2} = 2\frac{1}{2}$$

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

$$9. \quad \frac{12}{7} \times \frac{7}{3} = \frac{84}{21} = 4$$

$$10. \quad \frac{16}{9} \times \frac{7}{4} = \frac{112}{36} = \frac{28}{9} = 3\frac{1}{9}$$

# Multiplying and Dividing Improper Fractions (F)

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

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

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

Calculate each result.

1.  $\frac{4}{3} \times \frac{11}{4} = \underline{\quad} = \underline{\quad} = \underline{\quad}$

2.  $\frac{14}{5} \div \frac{20}{7} = \underline{\quad} \times \underline{\quad} = \underline{\quad} = \underline{\quad}$

3.  $\frac{7}{4} \div \frac{5}{2} = \underline{\quad} \times \underline{\quad} = \underline{\quad} = \underline{\quad}$

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

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

6.  $\frac{7}{4} \times \frac{13}{7} = \underline{\quad} = \underline{\quad} = \underline{\quad}$

7.  $\frac{9}{5} \times \frac{7}{6} = \underline{\quad} = \underline{\quad} = \underline{\quad}$

8.  $\frac{21}{8} \div \frac{9}{5} = \underline{\quad} \times \underline{\quad} = \underline{\quad} = \underline{\quad} = \underline{\quad}$

9.  $\frac{11}{4} \div \frac{3}{2} = \underline{\quad} \times \underline{\quad} = \underline{\quad} = \underline{\quad} = \underline{\quad}$

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

## Multiplying and Dividing Improper Fractions (F) Answers

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

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

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

Calculate each result.

$$1. \quad \frac{4}{3} \times \frac{11}{4} = \frac{44}{12} = \frac{11}{3} = 3\frac{2}{3}$$

$$2. \quad \frac{14}{5} \div \frac{20}{7} = \frac{14}{5} \times \frac{7}{20} = \frac{98}{100} = \frac{49}{50}$$

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

$$4. \quad \frac{6}{5} \times \frac{3}{2} = \frac{18}{10} = \frac{9}{5} = 1\frac{4}{5}$$

$$5. \quad \frac{3}{2} \times \frac{8}{3} = \frac{24}{6} = 4$$

$$6. \quad \frac{7}{4} \times \frac{13}{7} = \frac{91}{28} = \frac{13}{4} = 3\frac{1}{4}$$

$$7. \quad \frac{9}{5} \times \frac{7}{6} = \frac{63}{30} = \frac{21}{10} = 2\frac{1}{10}$$

$$8. \quad \frac{21}{8} \div \frac{9}{5} = \frac{21}{8} \times \frac{5}{9} = \frac{105}{72} = \frac{35}{24} = 1\frac{11}{24}$$

$$9. \quad \frac{11}{4} \div \frac{3}{2} = \frac{11}{4} \times \frac{2}{3} = \frac{22}{12} = \frac{11}{6} = 1\frac{5}{6}$$

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

# Multiplying and Dividing Improper Fractions (G)

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

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

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

Calculate each result.

1.  $\frac{9}{4} \times \frac{11}{6} = \underline{\quad} = \underline{\quad} = \underline{\quad}$

2.  $\frac{7}{3} \div \frac{13}{6} = \underline{\quad} \times \underline{\quad} = \underline{\quad} = \underline{\quad} = \underline{\quad}$

3.  $\frac{5}{3} \div \frac{7}{3} = \underline{\quad} \times \underline{\quad} = \underline{\quad} = \underline{\quad}$

4.  $\frac{3}{2} \div \frac{11}{4} = \underline{\quad} \times \underline{\quad} = \underline{\quad} = \underline{\quad}$

5.  $\frac{3}{2} \div \frac{9}{4} = \underline{\quad} \times \underline{\quad} = \underline{\quad} = \underline{\quad}$

6.  $\frac{20}{7} \div \frac{6}{5} = \underline{\quad} \times \underline{\quad} = \underline{\quad} = \underline{\quad} = \underline{\quad}$

7.  $\frac{15}{8} \times \frac{4}{3} = \underline{\quad} = \underline{\quad} = \underline{\quad}$

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

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

10.  $\frac{7}{4} \times \frac{13}{7} = \underline{\quad} = \underline{\quad} = \underline{\quad}$

## Multiplying and Dividing Improper Fractions (G) Answers

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

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

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

Calculate each result.

$$1. \frac{9}{4} \times \frac{11}{6} = \frac{99}{24} = \frac{33}{8} = 4\frac{1}{8}$$

$$2. \frac{7}{3} \div \frac{13}{6} = \frac{7}{3} \times \frac{6}{13} = \frac{42}{39} = \frac{14}{13} = 1\frac{1}{13}$$

$$3. \frac{5}{3} \div \frac{7}{3} = \frac{5}{3} \times \frac{3}{7} = \frac{15}{21} = \frac{5}{7}$$

$$4. \frac{3}{2} \div \frac{11}{4} = \frac{3}{2} \times \frac{4}{11} = \frac{12}{22} = \frac{6}{11}$$

$$5. \frac{3}{2} \div \frac{9}{4} = \frac{3}{2} \times \frac{4}{9} = \frac{12}{18} = \frac{2}{3}$$

$$6. \frac{20}{7} \div \frac{6}{5} = \frac{20}{7} \times \frac{5}{6} = \frac{100}{42} = \frac{50}{21} = 2\frac{8}{21}$$

$$7. \frac{15}{8} \times \frac{4}{3} = \frac{60}{24} = \frac{5}{2} = 2\frac{1}{2}$$

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

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

$$10. \frac{7}{4} \times \frac{13}{7} = \frac{91}{28} = \frac{13}{4} = 3\frac{1}{4}$$

# Multiplying and Dividing Improper Fractions (H)

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

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

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

Calculate each result.

1.  $\frac{20}{7} \div \frac{14}{5} = \text{---} \times \text{---} = \text{---} = \text{---} = \text{---}$

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

3.  $\frac{17}{9} \times \frac{9}{4} = \text{---} = \text{---} = \text{---}$

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

5.  $\frac{7}{3} \div \frac{11}{6} = \text{---} \times \text{---} = \text{---} = \text{---} = \text{---}$

6.  $\frac{3}{2} \times \frac{19}{9} = \text{---} = \text{---} = \text{---}$

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

8.  $\frac{13}{8} \div \frac{17}{6} = \text{---} \times \text{---} = \text{---} = \text{---}$

9.  $\frac{5}{4} \div \frac{11}{4} = \text{---} \times \text{---} = \text{---} = \text{---}$

10.  $\frac{20}{9} \times \frac{3}{2} = \text{---} = \text{---} = \text{---}$

## Multiplying and Dividing Improper Fractions (H) Answers

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

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

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

Calculate each result.

$$1. \quad \frac{20}{7} \div \frac{14}{5} = \frac{20}{7} \times \frac{5}{14} = \frac{100}{98} = \frac{50}{49} = 1\frac{1}{49}$$

$$2. \quad \frac{8}{3} \times \frac{9}{8} = \frac{72}{24} = 3$$

$$3. \quad \frac{17}{9} \times \frac{9}{4} = \frac{153}{36} = \frac{17}{4} = 4\frac{1}{4}$$

$$4. \quad \frac{3}{2} \times \frac{8}{7} = \frac{24}{14} = \frac{12}{7} = 1\frac{5}{7}$$

$$5. \quad \frac{7}{3} \div \frac{11}{6} = \frac{7}{3} \times \frac{6}{11} = \frac{42}{33} = \frac{14}{11} = 1\frac{3}{11}$$

$$6. \quad \frac{3}{2} \times \frac{19}{9} = \frac{57}{18} = \frac{19}{6} = 3\frac{1}{6}$$

$$7. \quad \frac{5}{2} \div \frac{9}{4} = \frac{5}{2} \times \frac{4}{9} = \frac{20}{18} = \frac{10}{9} = 1\frac{1}{9}$$

$$8. \quad \frac{13}{8} \div \frac{17}{6} = \frac{13}{8} \times \frac{6}{17} = \frac{78}{136} = \frac{39}{68}$$

$$9. \quad \frac{5}{4} \div \frac{11}{4} = \frac{5}{4} \times \frac{4}{11} = \frac{20}{44} = \frac{5}{11}$$

$$10. \quad \frac{20}{9} \times \frac{3}{2} = \frac{60}{18} = \frac{10}{3} = 3\frac{1}{3}$$



# Multiplying and Dividing Improper Fractions (I)

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

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

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

Calculate each result.

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

2.  $\frac{23}{9} \div \frac{5}{3} = \text{---} \times \text{---} = \text{---} = \text{---} = \text{---}$

3.  $\frac{8}{3} \div \frac{12}{5} = \text{---} \times \text{---} = \text{---} = \text{---} = \text{---}$

4.  $\frac{4}{3} \div \frac{10}{7} = \text{---} \times \text{---} = \text{---} = \text{---}$

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

6.  $\frac{10}{7} \times \frac{13}{6} = \text{---} = \text{---} = \text{---}$

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

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

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

10.  $\frac{11}{9} \times \frac{6}{5} = \text{---} = \text{---} = \text{---}$

## Multiplying and Dividing Improper Fractions (I) Answers

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

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

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

Calculate each result.

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

$$2. \quad \frac{23}{9} \div \frac{5}{3} = \frac{23}{9} \times \frac{3}{5} = \frac{69}{45} = \frac{23}{15} = 1\frac{8}{15}$$

$$3. \quad \frac{8}{3} \div \frac{12}{5} = \frac{8}{3} \times \frac{5}{12} = \frac{40}{36} = \frac{10}{9} = 1\frac{1}{9}$$

$$4. \quad \frac{4}{3} \div \frac{10}{7} = \frac{4}{3} \times \frac{7}{10} = \frac{28}{30} = \frac{14}{15}$$

$$5. \quad \frac{4}{3} \times \frac{5}{2} = \frac{20}{6} = \frac{10}{3} = 3\frac{1}{3}$$

$$6. \quad \frac{10}{7} \times \frac{13}{6} = \frac{130}{42} = \frac{65}{21} = 3\frac{2}{21}$$

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

$$8. \quad \frac{6}{5} \times \frac{7}{6} = \frac{42}{30} = \frac{7}{5} = 1\frac{2}{5}$$

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

$$10. \quad \frac{11}{9} \times \frac{6}{5} = \frac{66}{45} = \frac{22}{15} = 1\frac{7}{15}$$

# Multiplying and Dividing Improper Fractions (J)

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

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

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

Calculate each result.

1.  $\frac{5}{4} \times \frac{14}{9} = \underline{\quad} = \underline{\quad} = \underline{\quad}$

2.  $\frac{7}{4} \times \frac{19}{7} = \underline{\quad} = \underline{\quad} = \underline{\quad}$

3.  $\frac{17}{8} \div \frac{3}{2} = \underline{\quad} \times \underline{\quad} = \underline{\quad} = \underline{\quad} = \underline{\quad}$

4.  $\frac{7}{4} \times \frac{11}{7} = \underline{\quad} = \underline{\quad} = \underline{\quad}$

5.  $\frac{7}{6} \div \frac{3}{2} = \underline{\quad} \times \underline{\quad} = \underline{\quad} = \underline{\quad}$

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

7.  $\frac{13}{7} \div \frac{9}{7} = \underline{\quad} \times \underline{\quad} = \underline{\quad} = \underline{\quad} = \underline{\quad}$

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

9.  $\frac{5}{2} \div \frac{11}{4} = \underline{\quad} \times \underline{\quad} = \underline{\quad} = \underline{\quad}$

10.  $\frac{13}{6} \times \frac{6}{5} = \underline{\quad} = \underline{\quad} = \underline{\quad}$

## Multiplying and Dividing Improper Fractions (J) Answers

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

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

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

Calculate each result.

$$1. \quad \frac{5}{4} \times \frac{14}{9} = \frac{70}{36} = \frac{35}{18} = 1\frac{17}{18}$$

$$2. \quad \frac{7}{4} \times \frac{19}{7} = \frac{133}{28} = \frac{19}{4} = 4\frac{3}{4}$$

$$3. \quad \frac{17}{8} \div \frac{3}{2} = \frac{17}{8} \times \frac{2}{3} = \frac{34}{24} = \frac{17}{12} = 1\frac{5}{12}$$

$$4. \quad \frac{7}{4} \times \frac{11}{7} = \frac{77}{28} = \frac{11}{4} = 2\frac{3}{4}$$

$$5. \quad \frac{7}{6} \div \frac{3}{2} = \frac{7}{6} \times \frac{2}{3} = \frac{14}{18} = \frac{7}{9}$$

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

$$7. \quad \frac{13}{7} \div \frac{9}{7} = \frac{13}{7} \times \frac{7}{9} = \frac{91}{63} = \frac{13}{9} = 1\frac{4}{9}$$

$$8. \quad \frac{8}{3} \div \frac{6}{5} = \frac{8}{3} \times \frac{5}{6} = \frac{40}{18} = \frac{20}{9} = 2\frac{2}{9}$$

$$9. \quad \frac{5}{2} \div \frac{11}{4} = \frac{5}{2} \times \frac{4}{11} = \frac{20}{22} = \frac{10}{11}$$

$$10. \quad \frac{13}{6} \times \frac{6}{5} = \frac{78}{30} = \frac{13}{5} = 2\frac{3}{5}$$