

Multiplying and Dividing Various Fractions (A)

Name: _____

Date: _____

Score: _____

Calculate each result.

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

2. $\frac{25}{9} \times \frac{6}{7} =$

3. $1\frac{8}{9} \times 3\frac{6}{7} =$

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

5. $\frac{2}{3} \div \frac{4}{3} =$

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

7. $\frac{8}{9} \times \frac{23}{6} =$

8. $3\frac{1}{9} \div \frac{12}{5} =$

9. $3\frac{5}{9} \div \frac{19}{9} =$

10. $3\frac{2}{9} \div \frac{7}{6} =$

Multiplying and Dividing Various Fractions (A) Answers

Name: _____

Date: _____

Score: _____

Calculate each result.

$$1. \quad 1\frac{2}{3} \times 1\frac{2}{5} = \frac{5}{3} \times \frac{7}{5} = \frac{35}{15} = \frac{7}{3} = 2\frac{1}{3}$$

$$2. \quad \frac{25}{9} \times \frac{6}{7} = \frac{150}{63} = \frac{50}{21} = 2\frac{8}{21}$$

$$3. \quad 1\frac{8}{9} \times 3\frac{6}{7} = \frac{17}{9} \times \frac{27}{7} = \frac{459}{63} = \frac{51}{7} = 7\frac{2}{7}$$

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

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

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

$$7. \quad \frac{8}{9} \times \frac{23}{6} = \frac{8}{9} \times \frac{23}{6} = \frac{184}{54} = \frac{92}{27} = 3\frac{11}{27}$$

$$8. \quad 3\frac{1}{9} \div \frac{12}{5} = \frac{28}{9} \div \frac{12}{5} = \frac{28}{9} \times \frac{5}{12} = \frac{140}{108} = \frac{35}{27} = 1\frac{8}{27}$$

$$9. \quad 3\frac{5}{9} \div \frac{19}{9} = \frac{32}{9} \div \frac{19}{9} = \frac{32}{9} \times \frac{9}{19} = \frac{288}{171} = \frac{32}{19} = 1\frac{13}{19}$$

$$10. \quad 3\frac{2}{9} \div \frac{7}{6} = \frac{29}{9} \div \frac{7}{6} = \frac{29}{9} \times \frac{6}{7} = \frac{174}{63} = \frac{58}{21} = 2\frac{16}{21}$$

Multiplying and Dividing Various Fractions (B)

Name: _____

Date: _____

Score: _____

Calculate each result.

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

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

3. $\frac{2}{3} \times \frac{13}{4} =$

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

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

6. $\frac{4}{7} \times \frac{23}{8} =$

7. $\frac{11}{6} \times \frac{8}{3} =$

8. $\frac{7}{4} \div \frac{21}{8} =$

9. $\frac{3}{5} \div \frac{18}{5} =$

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

Multiplying and Dividing Various Fractions (B) Answers

Name: _____

Date: _____

Score: _____

Calculate each result.

$$1. \quad 3\frac{1}{2} \div 3\frac{8}{9} = \frac{7}{2} \div \frac{35}{9} = \frac{7}{2} \times \frac{9}{35} = \frac{63}{70} = \frac{9}{10}$$

$$2. \quad 2\frac{1}{4} \div \frac{7}{2} = \frac{9}{4} \div \frac{7}{2} = \frac{9}{4} \times \frac{2}{7} = \frac{18}{28} = \frac{9}{14}$$

$$3. \quad \frac{2}{3} \times \frac{13}{4} = \frac{2}{3} \times \frac{13}{4} = \frac{26}{12} = \frac{13}{6} = 2\frac{1}{6}$$

$$4. \quad 3\frac{3}{5} \times 1\frac{1}{2} = \frac{18}{5} \times \frac{3}{2} = \frac{54}{10} = \frac{27}{5} = 5\frac{2}{5}$$

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

$$6. \quad \frac{4}{7} \times \frac{23}{8} = \frac{4}{7} \times \frac{23}{8} = \frac{92}{56} = \frac{23}{14} = 1\frac{9}{14}$$

$$7. \quad \frac{11}{6} \times \frac{8}{3} = \frac{88}{18} = \frac{44}{9} = 4\frac{8}{9}$$

$$8. \quad \frac{7}{4} \div \frac{21}{8} = \frac{7}{4} \times \frac{8}{21} = \frac{56}{84} = \frac{2}{3}$$

$$9. \quad \frac{3}{5} \div \frac{18}{5} = \frac{3}{5} \div \frac{18}{5} = \frac{3}{5} \times \frac{5}{18} = \frac{15}{90} = \frac{1}{6}$$

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

Multiplying and Dividing Various Fractions (C)

Name: _____

Date: _____

Score: _____

Calculate each result.

1. $\frac{12}{7} \div \frac{5}{7} =$

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

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

4. $\frac{17}{7} \div \frac{3}{7} =$

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

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

7. $\frac{9}{5} \times 2\frac{6}{7} =$

8. $2\frac{3}{4} \div 3\frac{1}{2} =$

9. $3\frac{5}{6} \div \frac{4}{9} =$

10. $1\frac{3}{5} \times \frac{11}{6} =$

Multiplying and Dividing Various Fractions (C) Answers

Name: _____

Date: _____

Score: _____

Calculate each result.

$$1. \quad \frac{12}{7} \div \frac{5}{7} = \frac{12}{7} \times \frac{7}{5} = \frac{84}{35} = \frac{12}{5} = 2\frac{2}{5}$$

$$2. \quad \frac{3}{4} \times \frac{5}{6} = \frac{3}{4} \times \frac{5}{6} = \frac{15}{24} = \frac{5}{8}$$

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

$$4. \quad \frac{17}{7} \div \frac{3}{7} = \frac{17}{7} \div \frac{3}{7} = \frac{17}{7} \times \frac{7}{3} = \frac{119}{21} = \frac{17}{3} = 5\frac{2}{3}$$

$$5. \quad 3\frac{1}{7} \times 1\frac{1}{4} = \frac{22}{7} \times \frac{5}{4} = \frac{110}{28} = \frac{55}{14} = 3\frac{13}{14}$$

$$6. \quad \frac{10}{3} \times \frac{5}{2} = \frac{50}{6} = \frac{25}{3} = 8\frac{1}{3}$$

$$7. \quad \frac{9}{5} \times 2\frac{6}{7} = \frac{9}{5} \times \frac{20}{7} = \frac{180}{35} = \frac{36}{7} = 5\frac{1}{7}$$

$$8. \quad 2\frac{3}{4} \div 3\frac{1}{2} = \frac{11}{4} \div \frac{7}{2} = \frac{11}{4} \times \frac{2}{7} = \frac{22}{28} = \frac{11}{14}$$

$$9. \quad 3\frac{5}{6} \div \frac{4}{9} = \frac{23}{6} \div \frac{4}{9} = \frac{23}{6} \times \frac{9}{4} = \frac{207}{24} = \frac{69}{8} = 8\frac{5}{8}$$

$$10. \quad 1\frac{3}{5} \times \frac{11}{6} = \frac{8}{5} \times \frac{11}{6} = \frac{88}{30} = \frac{44}{15} = 2\frac{14}{15}$$

Multiplying and Dividing Various Fractions (D)

Name: _____

Date: _____

Score: _____

Calculate each result.

1. $1\frac{1}{4} \div \frac{9}{4} =$

2. $\frac{7}{2} \times 2\frac{2}{3} =$

3. $1\frac{1}{4} \div 1\frac{5}{8} =$

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

5. $\frac{13}{4} \times \frac{28}{9} =$

6. $\frac{17}{9} \div \frac{1}{3} =$

7. $\frac{5}{3} \div \frac{1}{3} =$

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

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

10. $\frac{2}{3} \div \frac{2}{9} =$

Multiplying and Dividing Various Fractions (D) Answers

Name: _____

Date: _____

Score: _____

Calculate each result.

$$1. \quad 1\frac{1}{4} \div \frac{9}{4} = \frac{5}{4} \div \frac{9}{4} = \frac{5}{4} \times \frac{4}{9} = \frac{20}{36} = \frac{5}{9}$$

$$2. \quad \frac{7}{2} \times 2\frac{2}{3} = \frac{7}{2} \times \frac{8}{3} = \frac{56}{6} = \frac{28}{3} = 9\frac{1}{3}$$

$$3. \quad 1\frac{1}{4} \div 1\frac{5}{8} = \frac{5}{4} \div \frac{13}{8} = \frac{5}{4} \times \frac{8}{13} = \frac{40}{52} = \frac{10}{13}$$

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

$$5. \quad \frac{13}{4} \times \frac{28}{9} = \frac{364}{36} = \frac{91}{9} = 10\frac{1}{9}$$

$$6. \quad \frac{17}{9} \div \frac{1}{3} = \frac{17}{9} \div \frac{1}{3} = \frac{17}{9} \times \frac{3}{1} = \frac{51}{9} = \frac{17}{3} = 5\frac{2}{3}$$

$$7. \quad \frac{5}{3} \div \frac{1}{3} = \frac{5}{3} \times \frac{3}{1} = \frac{15}{3} = 5$$

$$8. \quad \frac{8}{7} \times \frac{1}{2} = \frac{8}{7} \times \frac{1}{2} = \frac{8}{14} = \frac{4}{7}$$

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

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

Multiplying and Dividing Various Fractions (E)

Name: _____

Date: _____

Score: _____

Calculate each result.

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

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

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

4. $\frac{5}{9} \div \frac{14}{9} =$

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

6. $\frac{6}{7} \times 1\frac{8}{9} =$

7. $2\frac{2}{5} \div 3\frac{5}{7} =$

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

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

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

Multiplying and Dividing Various Fractions (E) Answers

Name: _____

Date: _____

Score: _____

Calculate each result.

$$1. \quad 3\frac{3}{4} \times \frac{5}{3} = \frac{15}{4} \times \frac{5}{3} = \frac{75}{12} = \frac{25}{4} = 6\frac{1}{4}$$

$$2. \quad 3\frac{6}{7} \div 1\frac{1}{2} = \frac{27}{7} \div \frac{3}{2} = \frac{27}{7} \times \frac{2}{3} = \frac{54}{21} = \frac{18}{7} = 2\frac{4}{7}$$

$$3. \quad 2\frac{1}{3} \div \frac{8}{9} = \frac{7}{3} \div \frac{8}{9} = \frac{7}{3} \times \frac{9}{8} = \frac{63}{24} = \frac{21}{8} = 2\frac{5}{8}$$

$$4. \quad \frac{5}{9} \div \frac{14}{9} = \frac{5}{9} \times \frac{9}{14} = \frac{45}{126} = \frac{5}{14}$$

$$5. \quad 3\frac{3}{4} \div \frac{1}{2} = \frac{15}{4} \div \frac{1}{2} = \frac{15}{4} \times \frac{2}{1} = \frac{30}{4} = \frac{15}{2} = 7\frac{1}{2}$$

$$6. \quad \frac{6}{7} \times 1\frac{8}{9} = \frac{6}{7} \times \frac{17}{9} = \frac{102}{63} = \frac{34}{21} = 1\frac{13}{21}$$

$$7. \quad 2\frac{2}{5} \div 3\frac{5}{7} = \frac{12}{5} \div \frac{26}{7} = \frac{12}{5} \times \frac{7}{26} = \frac{84}{130} = \frac{42}{65}$$

$$8. \quad \frac{3}{4} \times 3\frac{2}{3} = \frac{3}{4} \times \frac{11}{3} = \frac{33}{12} = \frac{11}{4} = 2\frac{3}{4}$$

$$9. \quad \frac{3}{4} \times 3\frac{1}{5} = \frac{3}{4} \times \frac{16}{5} = \frac{48}{20} = \frac{12}{5} = 2\frac{2}{5}$$

$$10. \quad \frac{10}{3} \times \frac{5}{2} = \frac{50}{6} = \frac{25}{3} = 8\frac{1}{3}$$

Multiplying and Dividing Various Fractions (F)

Name: _____

Date: _____

Score: _____

Calculate each result.

1. $\frac{11}{6} \div \frac{4}{3} =$

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

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

4. $2\frac{3}{5} \div \frac{13}{8} =$

5. $3\frac{3}{5} \div \frac{16}{7} =$

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

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

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

9. $1\frac{6}{7} \times \frac{7}{5} =$

10. $1\frac{1}{3} \times \frac{11}{4} =$

Multiplying and Dividing Various Fractions (F) Answers

Name: _____

Date: _____

Score: _____

Calculate each result.

$$1. \quad \frac{11}{6} \div \frac{4}{3} = \frac{11}{6} \times \frac{3}{4} = \frac{33}{24} = \frac{11}{8} = 1\frac{3}{8}$$

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

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

$$4. \quad 2\frac{3}{5} \div \frac{13}{8} = \frac{13}{5} \div \frac{13}{8} = \frac{13}{5} \times \frac{8}{13} = \frac{104}{65} = \frac{8}{5} = 1\frac{3}{5}$$

$$5. \quad 3\frac{3}{5} \div \frac{16}{7} = \frac{18}{5} \div \frac{16}{7} = \frac{18}{5} \times \frac{7}{16} = \frac{126}{80} = \frac{63}{40} = 1\frac{23}{40}$$

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

$$7. \quad 2\frac{2}{3} \times 2\frac{1}{2} = \frac{8}{3} \times \frac{5}{2} = \frac{40}{6} = \frac{20}{3} = 6\frac{2}{3}$$

$$8. \quad 2\frac{5}{7} \times 1\frac{3}{4} = \frac{19}{7} \times \frac{7}{4} = \frac{133}{28} = \frac{19}{4} = 4\frac{3}{4}$$

$$9. \quad 1\frac{6}{7} \times \frac{7}{5} = \frac{13}{7} \times \frac{7}{5} = \frac{91}{35} = \frac{13}{5} = 2\frac{3}{5}$$

$$10. \quad 1\frac{1}{3} \times \frac{11}{4} = \frac{4}{3} \times \frac{11}{4} = \frac{44}{12} = \frac{11}{3} = 3\frac{2}{3}$$

Multiplying and Dividing Various Fractions (G)

Name: _____

Date: _____

Score: _____

Calculate each result.

1. $\frac{9}{4} \times 3\frac{1}{7} =$

2. $\frac{5}{7} \div 1\frac{1}{4} =$

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

4. $\frac{5}{7} \div 3\frac{3}{7} =$

5. $\frac{3}{2} \times 2\frac{2}{5} =$

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

7. $2\frac{2}{3} \times \frac{23}{8} =$

8. $1\frac{1}{3} \div \frac{10}{3} =$

9. $\frac{6}{5} \times \frac{8}{3} =$

10. $3\frac{1}{2} \div 3\frac{3}{4} =$

Multiplying and Dividing Various Fractions (G) Answers

Name: _____

Date: _____

Score: _____

Calculate each result.

$$1. \quad \frac{9}{4} \times 3\frac{1}{7} = \frac{9}{4} \times \frac{22}{7} = \frac{198}{28} = \frac{99}{14} = 7\frac{1}{14}$$

$$2. \quad \frac{5}{7} \div 1\frac{1}{4} = \frac{5}{7} \div \frac{5}{4} = \frac{5}{7} \times \frac{4}{5} = \frac{20}{35} = \frac{4}{7}$$

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

$$4. \quad \frac{5}{7} \div 3\frac{3}{7} = \frac{5}{7} \div \frac{24}{7} = \frac{5}{7} \times \frac{7}{24} = \frac{35}{168} = \frac{5}{24}$$

$$5. \quad \frac{3}{2} \times 2\frac{2}{5} = \frac{3}{2} \times \frac{12}{5} = \frac{36}{10} = \frac{18}{5} = 3\frac{3}{5}$$

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

$$7. \quad 2\frac{2}{3} \times \frac{23}{8} = \frac{8}{3} \times \frac{23}{8} = \frac{184}{24} = \frac{23}{3} = 7\frac{2}{3}$$

$$8. \quad 1\frac{1}{3} \div \frac{10}{3} = \frac{4}{3} \div \frac{10}{3} = \frac{4}{3} \times \frac{3}{10} = \frac{12}{30} = \frac{2}{5}$$

$$9. \quad \frac{6}{5} \times \frac{8}{3} = \frac{48}{15} = \frac{16}{5} = 3\frac{1}{5}$$

$$10. \quad 3\frac{1}{2} \div 3\frac{3}{4} = \frac{7}{2} \div \frac{15}{4} = \frac{7}{2} \times \frac{4}{15} = \frac{28}{30} = \frac{14}{15}$$

Multiplying and Dividing Various Fractions (H)

Name: _____

Date: _____

Score: _____

Calculate each result.

1. $\frac{9}{5} \div \frac{3}{2} =$

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

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

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

5. $1\frac{7}{8} \div \frac{5}{6} =$

6. $\frac{13}{4} \div 2\frac{3}{4} =$

7. $\frac{22}{7} \times \frac{7}{2} =$

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

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

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

Multiplying and Dividing Various Fractions (H) Answers

Name: _____

Date: _____

Score: _____

Calculate each result.

$$1. \quad \frac{9}{5} \div \frac{3}{2} = \frac{9}{5} \times \frac{2}{3} = \frac{18}{15} = \frac{6}{5} = 1\frac{1}{5}$$

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

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

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

$$5. \quad 1\frac{7}{8} \div \frac{5}{6} = \frac{15}{8} \div \frac{5}{6} = \frac{15}{8} \times \frac{6}{5} = \frac{90}{40} = \frac{9}{4} = 2\frac{1}{4}$$

$$6. \quad \frac{13}{4} \div 2\frac{3}{4} = \frac{13}{4} \div \frac{11}{4} = \frac{13}{4} \times \frac{4}{11} = \frac{52}{44} = \frac{13}{11} = 1\frac{2}{11}$$

$$7. \quad \frac{22}{7} \times \frac{7}{2} = \frac{154}{14} = 11$$

$$8. \quad \frac{27}{8} \times 3\frac{1}{3} = \frac{27}{8} \times \frac{10}{3} = \frac{270}{24} = \frac{45}{4} = 11\frac{1}{4}$$

$$9. \quad \frac{3}{2} \times \frac{5}{3} = \frac{15}{6} = \frac{5}{2} = 2\frac{1}{2}$$

$$10. \quad \frac{7}{3} \times \frac{4}{7} = \frac{7}{3} \times \frac{4}{7} = \frac{28}{21} = \frac{4}{3} = 1\frac{1}{3}$$

Multiplying and Dividing Various Fractions (I)

Name: _____

Date: _____

Score: _____

Calculate each result.

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

2. $\frac{25}{9} \times \frac{2}{5} =$

3. $\frac{11}{6} \div 2\frac{1}{9} =$

4. $\frac{5}{2} \times \frac{6}{7} =$

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

6. $1\frac{1}{3} \div \frac{7}{6} =$

7. $2\frac{7}{9} \div \frac{15}{4} =$

8. $\frac{18}{7} \times 3\frac{3}{4} =$

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

10. $1\frac{1}{2} \div 1\frac{1}{2} =$

Multiplying and Dividing Various Fractions (I) Answers

Name: _____

Date: _____

Score: _____

Calculate each result.

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

$$2. \quad \frac{25}{9} \times \frac{2}{5} = \frac{25}{9} \times \frac{2}{5} = \frac{50}{45} = \frac{10}{9} = 1\frac{1}{9}$$

$$3. \quad \frac{11}{6} \div 2\frac{1}{9} = \frac{11}{6} \div \frac{19}{9} = \frac{11}{6} \times \frac{9}{19} = \frac{99}{114} = \frac{33}{38}$$

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

$$5. \quad 1\frac{3}{4} \div 2\frac{1}{3} = \frac{7}{4} \div \frac{7}{3} = \frac{7}{4} \times \frac{3}{7} = \frac{21}{28} = \frac{3}{4}$$

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

$$7. \quad 2\frac{7}{9} \div \frac{15}{4} = \frac{25}{9} \div \frac{15}{4} = \frac{25}{9} \times \frac{4}{15} = \frac{100}{135} = \frac{20}{27}$$

$$8. \quad \frac{18}{7} \times 3\frac{3}{4} = \frac{18}{7} \times \frac{15}{4} = \frac{270}{28} = \frac{135}{14} = 9\frac{9}{14}$$

$$9. \quad \frac{14}{9} \times 2\frac{3}{7} = \frac{14}{9} \times \frac{17}{7} = \frac{238}{63} = \frac{34}{9} = 3\frac{7}{9}$$

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

Multiplying and Dividing Various Fractions (J)

Name: _____

Date: _____

Score: _____

Calculate each result.

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

2. $\frac{5}{8} \times \frac{11}{5} =$

3. $2\frac{1}{2} \times \frac{32}{9} =$

4. $\frac{12}{5} \times \frac{14}{9} =$

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

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

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

8. $\frac{22}{9} \div 1\frac{1}{3} =$

9. $\frac{2}{3} \div 1\frac{3}{5} =$

10. $\frac{12}{5} \div \frac{15}{7} =$

Multiplying and Dividing Various Fractions (J) Answers

Name: _____

Date: _____

Score: _____

Calculate each result.

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

$$2. \quad \frac{5}{8} \times \frac{11}{5} = \frac{5}{8} \times \frac{11}{5} = \frac{55}{40} = \frac{11}{8} = 1\frac{3}{8}$$

$$3. \quad 2\frac{1}{2} \times \frac{32}{9} = \frac{5}{2} \times \frac{32}{9} = \frac{160}{18} = \frac{80}{9} = 8\frac{8}{9}$$

$$4. \quad \frac{12}{5} \times \frac{14}{9} = \frac{168}{45} = \frac{56}{15} = 3\frac{11}{15}$$

$$5. \quad \frac{2}{3} \times \frac{3}{7} = \frac{2}{3} \times \frac{3}{7} = \frac{6}{21} = \frac{2}{7}$$

$$6. \quad \frac{2}{3} \div 1\frac{4}{9} = \frac{2}{3} \div \frac{13}{9} = \frac{2}{3} \times \frac{9}{13} = \frac{18}{39} = \frac{6}{13}$$

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

$$8. \quad \frac{22}{9} \div 1\frac{1}{3} = \frac{22}{9} \div \frac{4}{3} = \frac{22}{9} \times \frac{3}{4} = \frac{66}{36} = \frac{11}{6} = 1\frac{5}{6}$$

$$9. \quad \frac{2}{3} \div 1\frac{3}{5} = \frac{2}{3} \div \frac{8}{5} = \frac{2}{3} \times \frac{5}{8} = \frac{10}{24} = \frac{5}{12}$$

$$10. \quad \frac{12}{5} \div \frac{15}{7} = \frac{12}{5} \times \frac{7}{15} = \frac{84}{75} = \frac{28}{25} = 1\frac{3}{25}$$