

Multiplying and Dividing Various Fractions (A)

Name: _____

Date: _____

Score: _____

Calculate each result.

1. $2\frac{3}{8} \times 3\frac{5}{7} = \underline{\quad} \times \underline{\quad} = \underline{\quad} = \underline{\quad} = \underline{\quad}$
Convert ↑ Result Simplify Convert ↓

2. $3\frac{1}{2} \times \frac{15}{4} = \underline{\quad} \times \underline{\quad} = \underline{\quad} = \underline{\quad}$

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

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

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

6. $3\frac{7}{8} \times \frac{1}{2} = \underline{\quad} \times \underline{\quad} = \underline{\quad} = \underline{\quad}$

7. $1\frac{1}{9} \div 1\frac{4}{5} = \underline{\quad} \div \underline{\quad} = \underline{\quad} \times \underline{\quad} = \underline{\quad}$

8. $\frac{16}{5} \div \frac{17}{7} = \underline{\quad} \times \underline{\quad} = \underline{\quad} = \underline{\quad}$

9. $1\frac{4}{5} \div \frac{5}{2} = \underline{\quad} \div \underline{\quad} = \underline{\quad} \times \underline{\quad} = \underline{\quad}$

10. $3\frac{4}{9} \div \frac{2}{7} = \underline{\quad} \div \underline{\quad} = \underline{\quad} \times \underline{\quad} = \underline{\quad} = \underline{\quad}$

Multiplying and Dividing Various Fractions (A) Answers

Name: _____

Date: _____

Score: _____

Calculate each result.

$$1. \quad 2\frac{3}{8} \times 3\frac{5}{7} = \frac{19}{8} \times \frac{26}{7} = \frac{494}{56} = \frac{247}{28} = 8\frac{23}{28}$$

$$2. \quad 3\frac{1}{2} \times \frac{15}{4} = \frac{7}{2} \times \frac{15}{4} = \frac{105}{8} = 13\frac{1}{8}$$

$$3. \quad \frac{7}{6} \div \frac{13}{7} = \frac{7}{6} \times \frac{7}{13} = \frac{49}{78}$$

$$4. \quad 2\frac{4}{9} \times 1\frac{1}{5} = \frac{22}{9} \times \frac{6}{5} = \frac{132}{45} = \frac{44}{15} = 2\frac{14}{15}$$

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

$$6. \quad 3\frac{7}{8} \times \frac{1}{2} = \frac{31}{8} \times \frac{1}{2} = \frac{31}{16} = 1\frac{15}{16}$$

$$7. \quad 1\frac{1}{9} \div 1\frac{4}{5} = \frac{10}{9} \div \frac{9}{5} = \frac{10}{9} \times \frac{5}{9} = \frac{50}{81}$$

$$8. \quad \frac{16}{5} \div \frac{17}{7} = \frac{16}{5} \times \frac{7}{17} = \frac{112}{85} = 1\frac{27}{85}$$

$$9. \quad 1\frac{4}{5} \div \frac{5}{2} = \frac{9}{5} \div \frac{5}{2} = \frac{9}{5} \times \frac{2}{5} = \frac{18}{25}$$

$$10. \quad 3\frac{4}{9} \div \frac{2}{7} = \frac{31}{9} \div \frac{2}{7} = \frac{31}{9} \times \frac{7}{2} = \frac{217}{18} = 12\frac{1}{18}$$

Multiplying and Dividing Various Fractions (B)

Name: _____

Date: _____

Score: _____

Calculate each result.

1. $3\frac{1}{2} \times \frac{15}{7} = \text{---} \times \text{---} = \text{---} = \text{---} = \text{---}$

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

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

4. $1\frac{2}{3} \times 2\frac{6}{7} = \text{---} \times \text{---} = \text{---} = \text{---}$

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

6. $\frac{11}{6} \div \frac{4}{3} = \text{---} \times \text{---} = \text{---} = \text{---} = \text{---}$

7. $\frac{10}{9} \div \frac{17}{9} = \text{---} \times \text{---} = \text{---} = \text{---}$

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

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

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

Multiplying and Dividing Various Fractions (B) Answers

Name: _____

Date: _____

Score: _____

Calculate each result.

$$1. \quad 3\frac{1}{2} \times \frac{15}{7} = \frac{7}{2} \times \frac{15}{7} = \frac{105}{14} = \frac{15}{2} = 7\frac{1}{2}$$

$$2. \quad 1\frac{3}{8} \div \frac{7}{2} = \frac{11}{8} \div \frac{7}{2} = \frac{11}{8} \times \frac{2}{7} = \frac{22}{56} = \frac{11}{28}$$

$$3. \quad 2\frac{1}{2} \times 3\frac{1}{2} = \frac{5}{2} \times \frac{7}{2} = \frac{35}{4} = 8\frac{3}{4}$$

$$4. \quad 1\frac{2}{3} \times 2\frac{6}{7} = \frac{5}{3} \times \frac{20}{7} = \frac{100}{21} = 4\frac{16}{21}$$

$$5. \quad 2\frac{1}{2} \times \frac{5}{2} = \frac{5}{2} \times \frac{5}{2} = \frac{25}{4} = 6\frac{1}{4}$$

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

$$7. \quad \frac{10}{9} \div \frac{17}{9} = \frac{10}{9} \times \frac{9}{17} = \frac{90}{153} = \frac{10}{17}$$

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

$$9. \quad \frac{9}{4} \div 3\frac{1}{2} = \frac{9}{4} \div \frac{7}{2} = \frac{9}{4} \times \frac{2}{7} = \frac{18}{28} = \frac{9}{14}$$

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

Multiplying and Dividing Various Fractions (C)

Name: _____

Date: _____

Score: _____

Calculate each result.

1. $\frac{5}{3} \div \frac{8}{9} = \text{---} \times \text{---} = \text{---} = \text{---} = \text{---}$

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

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

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

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

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

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

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

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

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

Multiplying and Dividing Various Fractions (C) Answers

Name: _____

Date: _____

Score: _____

Calculate each result.

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

$$2. \quad \frac{11}{4} \times \frac{6}{5} = \frac{66}{20} = \frac{33}{10} = 3\frac{3}{10}$$

$$3. \quad \frac{3}{5} \times 3\frac{2}{5} = \frac{3}{5} \times \frac{17}{5} = \frac{51}{25} = 2\frac{1}{25}$$

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

$$5. \quad 1\frac{4}{5} \div 2\frac{3}{4} = \frac{9}{5} \div \frac{11}{4} = \frac{9}{5} \times \frac{4}{11} = \frac{36}{55}$$

$$6. \quad 2\frac{1}{6} \times 1\frac{2}{5} = \frac{13}{6} \times \frac{7}{5} = \frac{91}{30} = 3\frac{1}{30}$$

$$7. \quad 2\frac{1}{2} \times 3\frac{1}{6} = \frac{5}{2} \times \frac{19}{6} = \frac{95}{12} = 7\frac{11}{12}$$

$$8. \quad 3\frac{5}{7} \times \frac{3}{2} = \frac{26}{7} \times \frac{3}{2} = \frac{78}{14} = \frac{39}{7} = 5\frac{4}{7}$$

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

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

Multiplying and Dividing Various Fractions (D)

Name: _____

Date: _____

Score: _____

Calculate each result.

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

2. $\frac{13}{8} \times 2\frac{7}{8} = \text{---} \times \text{---} = \text{---} = \text{---}$

3. $\frac{29}{8} \times \frac{11}{4} = \text{---} = \text{---}$

4. $\frac{5}{3} \div \frac{11}{4} = \text{---} \times \text{---} = \text{---}$

5. $\frac{10}{7} \times \frac{1}{3} = \text{---} \times \text{---} = \text{---}$

6. $\frac{17}{9} \div \frac{7}{2} = \text{---} \times \text{---} = \text{---}$

7. $1\frac{1}{2} \times \frac{11}{5} = \text{---} \times \text{---} = \text{---} = \text{---}$

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

9. $\frac{11}{7} \div \frac{3}{8} = \text{---} \times \text{---} = \text{---} = \text{---}$

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

Multiplying and Dividing Various Fractions (D) Answers

Name: _____

Date: _____

Score: _____

Calculate each result.

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

$$2. \quad \frac{13}{8} \times 2\frac{7}{8} = \frac{13}{8} \times \frac{23}{8} = \frac{299}{64} = 4\frac{43}{64}$$

$$3. \quad \frac{29}{8} \times \frac{11}{4} = \frac{319}{32} = 9\frac{31}{32}$$

$$4. \quad \frac{5}{3} \div \frac{11}{4} = \frac{5}{3} \times \frac{4}{11} = \frac{20}{33}$$

$$5. \quad \frac{10}{7} \times \frac{1}{3} = \frac{10}{7} \times \frac{1}{3} = \frac{10}{21}$$

$$6. \quad \frac{17}{9} \div \frac{7}{2} = \frac{17}{9} \times \frac{2}{7} = \frac{34}{63}$$

$$7. \quad 1\frac{1}{2} \times \frac{11}{5} = \frac{3}{2} \times \frac{11}{5} = \frac{33}{10} = 3\frac{3}{10}$$

$$8. \quad 1\frac{1}{2} \div 1\frac{8}{9} = \frac{3}{2} \div \frac{17}{9} = \frac{3}{2} \times \frac{9}{17} = \frac{27}{34}$$

$$9. \quad \frac{11}{7} \div \frac{3}{8} = \frac{11}{7} \times \frac{8}{3} = \frac{88}{21} = 4\frac{4}{21}$$

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

Multiplying and Dividing Various Fractions (E)

Name: _____

Date: _____

Score: _____

Calculate each result.

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

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

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

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

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

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

7. $\frac{3}{4} \times \frac{7}{6} = \underline{\quad} \times \underline{\quad} = \underline{\quad} = \underline{\quad}$

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

9. $3\frac{5}{8} \div 1\frac{1}{5} = \underline{\quad} \div \underline{\quad} = \underline{\quad} \times \underline{\quad} = \underline{\quad} = \underline{\quad}$

10. $\frac{17}{7} \times \frac{3}{4} = \underline{\quad} = \underline{\quad}$

Multiplying and Dividing Various Fractions (E) Answers

Name: _____

Date: _____

Score: _____

Calculate each result.

$$1. \quad 3\frac{5}{9} \div \frac{3}{4} = \frac{32}{9} \div \frac{3}{4} = \frac{32}{9} \times \frac{4}{3} = \frac{128}{27} = 4\frac{20}{27}$$

$$2. \quad 3\frac{2}{3} \times 3\frac{1}{2} = \frac{11}{3} \times \frac{7}{2} = \frac{77}{6} = 12\frac{5}{6}$$

$$3. \quad 3\frac{4}{7} \times \frac{2}{3} = \frac{25}{7} \times \frac{2}{3} = \frac{50}{21} = 2\frac{8}{21}$$

$$4. \quad \frac{1}{5} \div 3\frac{1}{2} = \frac{1}{5} \div \frac{7}{2} = \frac{1}{5} \times \frac{2}{7} = \frac{2}{35}$$

$$5. \quad 1\frac{2}{3} \times 2\frac{1}{4} = \frac{5}{3} \times \frac{9}{4} = \frac{45}{12} = \frac{15}{4} = 3\frac{3}{4}$$

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

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

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

$$9. \quad 3\frac{5}{8} \div 1\frac{1}{5} = \frac{29}{8} \div \frac{6}{5} = \frac{29}{8} \times \frac{5}{6} = \frac{145}{48} = 3\frac{1}{48}$$

$$10. \quad \frac{17}{7} \times \frac{3}{4} = \frac{51}{28} = 1\frac{23}{28}$$

Multiplying and Dividing Various Fractions (F)

Name: _____

Date: _____

Score: _____

Calculate each result.

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

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

3. $\frac{29}{9} \div 2\frac{1}{5} = \text{---} \div \text{---} = \text{---} \times \text{---} = \text{---} = \text{---}$

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

5. $\frac{17}{5} \div \frac{1}{4} = \text{---} \div \text{---} = \text{---} \times \text{---} = \text{---} = \text{---}$

6. $1\frac{8}{9} \div \frac{26}{9} = \text{---} \div \text{---} = \text{---} \times \text{---} = \text{---} = \text{---}$

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

8. $\frac{2}{3} \div \frac{11}{3} = \text{---} \times \text{---} = \text{---} = \text{---}$

9. $\frac{11}{4} \times 3\frac{1}{2} = \text{---} \times \text{---} = \text{---} = \text{---}$

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

Multiplying and Dividing Various Fractions (F) Answers

Name: _____

Date: _____

Score: _____

Calculate each result.

$$1. \quad \frac{8}{5} \times 3\frac{1}{3} = \frac{8}{5} \times \frac{10}{3} = \frac{80}{15} = \frac{16}{3} = 5\frac{1}{3}$$

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

$$3. \quad \frac{29}{9} \div 2\frac{1}{5} = \frac{29}{9} \div \frac{11}{5} = \frac{29}{9} \times \frac{5}{11} = \frac{145}{99} = 1\frac{46}{99}$$

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

$$5. \quad \frac{17}{5} \div \frac{1}{4} = \frac{17}{5} \div \frac{1}{4} = \frac{17}{5} \times \frac{4}{1} = \frac{68}{5} = 13\frac{3}{5}$$

$$6. \quad 1\frac{8}{9} \div \frac{26}{9} = \frac{17}{9} \div \frac{26}{9} = \frac{17}{9} \times \frac{9}{26} = \frac{153}{234} = \frac{17}{26}$$

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

$$8. \quad \frac{2}{3} \div \frac{11}{3} = \frac{2}{3} \times \frac{3}{11} = \frac{6}{33} = \frac{2}{11}$$

$$9. \quad \frac{11}{4} \times 3\frac{1}{2} = \frac{11}{4} \times \frac{7}{2} = \frac{77}{8} = 9\frac{5}{8}$$

$$10. \quad \frac{5}{6} \times \frac{5}{3} = \frac{5}{6} \times \frac{5}{3} = \frac{25}{18} = 1\frac{7}{18}$$

Multiplying and Dividing Various Fractions (G)

Name: _____

Date: _____

Score: _____

Calculate each result.

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

2. $\frac{1}{8} \div \frac{11}{5} = \text{---} \div \text{---} = \text{---} \times \text{---} = \text{---}$

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

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

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

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

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

8. $3\frac{6}{7} \times \frac{4}{3} = \text{---} \times \text{---} = \text{---} = \text{---} = \text{---}$

9. $\frac{17}{7} \div \frac{1}{7} = \text{---} \div \text{---} = \text{---} \times \text{---} = \text{---} = \text{---}$

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

Multiplying and Dividing Various Fractions (G) Answers

Name: _____

Date: _____

Score: _____

Calculate each result.

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

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

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

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

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

$$6. \quad \frac{4}{3} \div 3\frac{3}{5} = \frac{4}{3} \div \frac{18}{5} = \frac{4}{3} \times \frac{5}{18} = \frac{20}{54} = \frac{10}{27}$$

$$7. \quad 2\frac{3}{4} \div \frac{1}{2} = \frac{11}{4} \div \frac{1}{2} = \frac{11}{4} \times \frac{2}{1} = \frac{22}{4} = \frac{11}{2} = 5\frac{1}{2}$$

$$8. \quad 3\frac{6}{7} \times \frac{4}{3} = \frac{27}{7} \times \frac{4}{3} = \frac{108}{21} = \frac{36}{7} = 5\frac{1}{7}$$

$$9. \quad \frac{17}{7} \div \frac{1}{7} = \frac{17}{7} \div \frac{1}{7} = \frac{17}{7} \times \frac{7}{1} = \frac{119}{7} = 17$$

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

Multiplying and Dividing Various Fractions (H)

Name: _____

Date: _____

Score: _____

Calculate each result.

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

2. $2\frac{3}{8} \times \frac{9}{5} = \underline{\quad} \times \underline{\quad} = \underline{\quad} = \underline{\quad}$

3. $3\frac{1}{4} \times \frac{20}{9} = \underline{\quad} \times \underline{\quad} = \underline{\quad} = \underline{\quad} = \underline{\quad}$

4. $\frac{9}{4} \times 1\frac{1}{8} = \underline{\quad} \times \underline{\quad} = \underline{\quad} = \underline{\quad}$

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

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

7. $\frac{4}{9} \times \frac{9}{4} = \underline{\quad} \times \underline{\quad} = \underline{\quad} = \underline{\quad}$

8. $\frac{1}{9} \div \frac{19}{8} = \underline{\quad} \div \underline{\quad} = \underline{\quad} \times \underline{\quad} = \underline{\quad}$

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

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

Multiplying and Dividing Various Fractions (H) Answers

Name: _____

Date: _____

Score: _____

Calculate each result.

$$1. \quad 3\frac{1}{6} \div 3\frac{1}{7} = \frac{19}{6} \div \frac{22}{7} = \frac{19}{6} \times \frac{7}{22} = \frac{133}{132} = 1\frac{1}{132}$$

$$2. \quad 2\frac{3}{8} \times \frac{9}{5} = \frac{19}{8} \times \frac{9}{5} = \frac{171}{40} = 4\frac{11}{40}$$

$$3. \quad 3\frac{1}{4} \times \frac{20}{9} = \frac{13}{4} \times \frac{20}{9} = \frac{260}{36} = \frac{65}{9} = 7\frac{2}{9}$$

$$4. \quad \frac{9}{4} \times 1\frac{1}{8} = \frac{9}{4} \times \frac{9}{8} = \frac{81}{32} = 2\frac{17}{32}$$

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

$$6. \quad 2\frac{3}{4} \div 1\frac{2}{7} = \frac{11}{4} \div \frac{9}{7} = \frac{11}{4} \times \frac{7}{9} = \frac{77}{36} = 2\frac{5}{36}$$

$$7. \quad \frac{4}{9} \times \frac{9}{4} = \frac{4}{9} \times \frac{9}{4} = \frac{36}{36} = 1$$

$$8. \quad \frac{1}{9} \div \frac{19}{8} = \frac{1}{9} \div \frac{19}{8} = \frac{1}{9} \times \frac{8}{19} = \frac{8}{171}$$

$$9. \quad \frac{13}{4} \div \frac{4}{7} = \frac{13}{4} \times \frac{7}{4} = \frac{91}{16} = 5\frac{11}{16}$$

$$10. \quad 3\frac{8}{9} \div \frac{5}{2} = \frac{35}{9} \div \frac{5}{2} = \frac{35}{9} \times \frac{2}{5} = \frac{70}{45} = \frac{14}{9} = 1\frac{5}{9}$$

Multiplying and Dividing Various Fractions (I)

Name: _____

Date: _____

Score: _____

Calculate each result.

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

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

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

4. $1\frac{2}{3} \div \frac{8}{7} = \underline{\quad} \div \underline{\quad} = \underline{\quad} \times \underline{\quad} = \underline{\quad} = \underline{\quad}$

5. $\frac{7}{9} \times \frac{1}{3} = \underline{\quad} \times \underline{\quad} = \underline{\quad}$

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

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

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

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

10. $\frac{11}{7} \div 3\frac{2}{3} = \underline{\quad} \div \underline{\quad} = \underline{\quad} \times \underline{\quad} = \underline{\quad} = \underline{\quad}$

Multiplying and Dividing Various Fractions (I) Answers

Name: _____

Date: _____

Score: _____

Calculate each result.

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

$$2. \quad 2\frac{1}{4} \div \frac{2}{3} = \frac{9}{4} \div \frac{2}{3} = \frac{9}{4} \times \frac{3}{2} = \frac{27}{8} = 3\frac{3}{8}$$

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

$$4. \quad 1\frac{2}{3} \div \frac{8}{7} = \frac{5}{3} \div \frac{8}{7} = \frac{5}{3} \times \frac{7}{8} = \frac{35}{24} = 1\frac{11}{24}$$

$$5. \quad \frac{7}{9} \times \frac{1}{3} = \frac{7}{9} \times \frac{1}{3} = \frac{7}{27}$$

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

$$7. \quad 3\frac{1}{3} \times \frac{3}{5} = \frac{10}{3} \times \frac{3}{5} = \frac{30}{15} = 2$$

$$8. \quad 1\frac{2}{7} \div \frac{7}{2} = \frac{9}{7} \div \frac{7}{2} = \frac{9}{7} \times \frac{2}{7} = \frac{18}{49}$$

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

$$10. \quad \frac{11}{7} \div 3\frac{2}{3} = \frac{11}{7} \div \frac{11}{3} = \frac{11}{7} \times \frac{3}{11} = \frac{33}{77} = \frac{3}{7}$$

Multiplying and Dividing Various Fractions (J)

Name: _____

Date: _____

Score: _____

Calculate each result.

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

2. $\frac{11}{3} \times \frac{1}{2} = \text{---} \times \text{---} = \text{---} = \text{---}$

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

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

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

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

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

8. $\frac{13}{4} \div \frac{1}{2} = \text{---} \times \text{---} = \text{---} = \text{---} = \text{---}$

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

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

Multiplying and Dividing Various Fractions (J) Answers

Name: _____

Date: _____

Score: _____

Calculate each result.

$$1. \quad 2\frac{4}{5} \times 1\frac{5}{8} = \frac{14}{5} \times \frac{13}{8} = \frac{182}{40} = \frac{91}{20} = 4\frac{11}{20}$$

$$2. \quad \frac{11}{3} \times \frac{1}{2} = \frac{11}{3} \times \frac{1}{2} = \frac{11}{6} = 1\frac{5}{6}$$

$$3. \quad \frac{6}{5} \div \frac{4}{9} = \frac{6}{5} \times \frac{9}{4} = \frac{54}{20} = \frac{27}{10} = 2\frac{7}{10}$$

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

$$5. \quad \frac{9}{5} \times \frac{3}{4} = \frac{9}{5} \times \frac{3}{4} = \frac{27}{20} = 1\frac{7}{20}$$

$$6. \quad 3\frac{2}{7} \times \frac{1}{2} = \frac{23}{7} \times \frac{1}{2} = \frac{23}{14} = 1\frac{9}{14}$$

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

$$8. \quad \frac{13}{4} \div \frac{1}{2} = \frac{13}{4} \times \frac{2}{1} = \frac{26}{4} = \frac{13}{2} = 6\frac{1}{2}$$

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

$$10. \quad \frac{3}{2} \times \frac{7}{9} = \frac{21}{18} = \frac{7}{6} = 1\frac{1}{6}$$