

Multiplying and Dividing Mixed Fractions (A)

Find the value of each expression in lowest terms.

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

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

11. $1\frac{4}{5} \div 4\frac{1}{2} \times 1\frac{2}{7}$

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

7. $2\frac{5}{7} \div (1\frac{8}{11} \times 1\frac{2}{3})$

12. $2\frac{1}{4} \times 1\frac{4}{11} \div 1\frac{1}{8}$

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

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

13. $6\frac{2}{3} \div 3\frac{1}{3} \times 1\frac{5}{9}$

4. $1\frac{1}{4} \times 10\frac{1}{2} \div 1\frac{1}{2}$

9. $2\frac{3}{4} \div (1\frac{1}{9} \div 2\frac{1}{2})$

14. $1\frac{2}{9} \div 2\frac{1}{2} \times 1\frac{7}{8}$

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

10. $2\frac{1}{2} \times 2\frac{4}{7} \times 1\frac{1}{9}$

15. $5\frac{1}{2} \div (1\frac{1}{2} \times 1\frac{1}{10})$

Multiplying and Dividing Mixed Fractions (A) Answers

Find the value of each expression in lowest terms.

$$1. 3\frac{1}{2} \times 1\frac{4}{7} \times 1\frac{1}{3} \\ = \frac{22}{3} = 7\frac{1}{3}$$

$$6. 4\frac{1}{2} \times 3\frac{3}{4} \times 2\frac{2}{3} \\ = 45$$

$$11. 1\frac{4}{5} \div 4\frac{1}{2} \times 1\frac{2}{7} \\ = \frac{18}{35}$$

$$2. 3\frac{1}{2} \times 1\frac{1}{7} \div 1\frac{1}{4} \\ = \frac{16}{5} = 3\frac{1}{5}$$

$$7. 2\frac{5}{7} \div (1\frac{8}{11} \times 1\frac{2}{3}) \\ = \frac{33}{35}$$

$$12. 2\frac{1}{4} \times 1\frac{4}{11} \div 1\frac{1}{8} \\ = \frac{30}{11} = 2\frac{8}{11}$$

$$3. 1\frac{1}{3} \times 1\frac{5}{7} \div 1\frac{3}{4} \\ = \frac{64}{49} = 1\frac{15}{49}$$

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

$$13. 6\frac{2}{3} \div 3\frac{1}{3} \times 1\frac{5}{9} \\ = \frac{28}{9} = 3\frac{1}{9}$$

$$4. 1\frac{1}{4} \times 10\frac{1}{2} \div 1\frac{1}{2} \\ = \frac{35}{4} = 8\frac{3}{4}$$

$$9. 2\frac{3}{4} \div (1\frac{1}{9} \div 2\frac{1}{2}) \\ = \frac{99}{16} = 6\frac{3}{16}$$

$$14. 1\frac{2}{9} \div 2\frac{1}{2} \times 1\frac{7}{8} \\ = \frac{11}{12}$$

$$5. 1\frac{3}{4} \div (3\frac{2}{3} \div 3\frac{1}{3}) \\ = \frac{35}{22} = 1\frac{13}{22}$$

$$10. 2\frac{1}{2} \times 2\frac{4}{7} \times 1\frac{1}{9} \\ = \frac{50}{7} = 7\frac{1}{7}$$

$$15. 5\frac{1}{2} \div (1\frac{1}{2} \times 1\frac{1}{10}) \\ = \frac{10}{3} = 3\frac{1}{3}$$

Multiplying and Dividing Mixed Fractions (B)

Find the value of each expression in lowest terms.

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

6. $1\frac{1}{2} \times 1\frac{1}{4} \div 1\frac{5}{7}$

11. $2\frac{5}{7} \times 1\frac{5}{6} \div 5\frac{1}{2}$

2. $1\frac{2}{7} \div (1\frac{1}{5} \div 1\frac{3}{4})$

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

12. $3\frac{5}{6} \times 3\frac{3}{5} \div 10\frac{1}{2}$

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

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

13. $2\frac{1}{3} \times 1\frac{4}{9} \div 6\frac{1}{2}$

4. $2\frac{2}{3} \div (1\frac{2}{3} \times 1\frac{3}{4})$

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

14. $1\frac{2}{3} \div (1\frac{1}{4} \times 4\frac{2}{5})$

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

10. $3\frac{3}{7} \times 1\frac{3}{4} \times 2\frac{2}{3}$

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

Multiplying and Dividing Mixed Fractions (B) Answers

Find the value of each expression in lowest terms.

$$\begin{aligned} 1. \quad & 1\frac{4}{5} \times 7\frac{2}{3} \div 3\frac{2}{5} \\ & = \frac{69}{17} = 4\frac{1}{17} \end{aligned}$$

$$\begin{aligned} 6. \quad & 1\frac{1}{2} \times 1\frac{1}{4} \div 1\frac{5}{7} \\ & = \frac{35}{32} = 1\frac{3}{32} \end{aligned}$$

$$\begin{aligned} 11. \quad & 2\frac{5}{7} \times 1\frac{5}{6} \div 5\frac{1}{2} \\ & = \frac{19}{21} \end{aligned}$$

$$\begin{aligned} 2. \quad & 1\frac{2}{7} \div (1\frac{1}{5} \div 1\frac{3}{4}) \\ & = \frac{15}{8} = 1\frac{7}{8} \end{aligned}$$

$$\begin{aligned} 7. \quad & 1\frac{1}{2} \times 2\frac{2}{3} \div 3\frac{1}{2} \\ & = \frac{8}{7} = 1\frac{1}{7} \end{aligned}$$

$$\begin{aligned} 12. \quad & 3\frac{5}{6} \times 3\frac{3}{5} \div 10\frac{1}{2} \\ & = \frac{46}{35} = 1\frac{11}{35} \end{aligned}$$

$$\begin{aligned} 3. \quad & 3\frac{2}{3} \times 5\frac{1}{4} \div 1\frac{1}{10} \\ & = \frac{35}{2} = 17\frac{1}{2} \end{aligned}$$

$$\begin{aligned} 8. \quad & 7\frac{1}{3} \div 5\frac{1}{2} \div 1\frac{3}{4} \\ & = \frac{16}{21} \end{aligned}$$

$$\begin{aligned} 13. \quad & 2\frac{1}{3} \times 1\frac{4}{9} \div 6\frac{1}{2} \\ & = \frac{14}{27} \end{aligned}$$

$$\begin{aligned} 4. \quad & 2\frac{2}{3} \div (1\frac{2}{3} \times 1\frac{3}{4}) \\ & = \frac{32}{35} \end{aligned}$$

$$\begin{aligned} 9. \quad & 3\frac{2}{3} \div 6\frac{1}{2} \times 2\frac{2}{11} \\ & = \frac{16}{13} = 1\frac{3}{13} \end{aligned}$$

$$\begin{aligned} 14. \quad & 1\frac{2}{3} \div (1\frac{1}{4} \times 4\frac{2}{5}) \\ & = \frac{10}{33} \end{aligned}$$

$$\begin{aligned} 5. \quad & 4\frac{1}{4} \times 1\frac{3}{7} \div 1\frac{2}{7} \\ & = \frac{85}{18} = 4\frac{13}{18} \end{aligned}$$

$$\begin{aligned} 10. \quad & 3\frac{3}{7} \times 1\frac{3}{4} \times 2\frac{2}{3} \\ & = 16 \end{aligned}$$

$$\begin{aligned} 15. \quad & 2\frac{1}{2} \times 2\frac{3}{4} \times 1\frac{3}{5} \\ & = 11 \end{aligned}$$

Multiplying and Dividing Mixed Fractions (C)

Find the value of each expression in lowest terms.

1. $1\frac{1}{2} \div 1\frac{4}{11} \times 1\frac{3}{5}$

6. $1\frac{2}{3} \times 1\frac{7}{11} \div 4\frac{4}{5}$

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

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

7. $1\frac{1}{4} \times 1\frac{1}{8} \times 1\frac{2}{9}$

12. $1\frac{3}{10} \div 1\frac{3}{4} \div 1\frac{2}{11}$

3. $4\frac{3}{5} \div (1\frac{9}{10} \div 1\frac{8}{11})$

8. $1\frac{10}{11} \times 2\frac{4}{9} \times 1\frac{2}{5}$

13. $1\frac{1}{3} \div (1\frac{1}{2} \div 1\frac{1}{4})$

4. $2\frac{1}{2} \div 2\frac{4}{9} \times 1\frac{3}{5}$

9. $1\frac{5}{11} \times 1\frac{2}{3} \times 1\frac{1}{2}$

14. $4\frac{2}{3} \times 1\frac{5}{7} \times 2\frac{1}{5}$

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

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

15. $1\frac{1}{3} \div (1\frac{10}{11} \div 1\frac{2}{5})$

Multiplying and Dividing Mixed Fractions (C) Answers

Find the value of each expression in lowest terms.

$$1. 1\frac{1}{2} \div 1\frac{4}{11} \times 1\frac{3}{5} \\ = \frac{44}{25} = 1\frac{19}{25}$$

$$6. 1\frac{2}{3} \times 1\frac{7}{11} \div 4\frac{4}{5} \\ = \frac{25}{44}$$

$$11. 2\frac{1}{3} \times 6\frac{1}{2} \div 1\frac{2}{3} \\ = \frac{91}{10} = 9\frac{1}{10}$$

$$2. 1\frac{2}{5} \times 1\frac{1}{9} \div 1\frac{3}{5} \\ = \frac{35}{36}$$

$$7. 1\frac{1}{4} \times 1\frac{1}{8} \times 1\frac{2}{9} \\ = \frac{55}{32} = 1\frac{23}{32}$$

$$12. 1\frac{3}{10} \div 1\frac{3}{4} \div 1\frac{2}{11} \\ = \frac{22}{35}$$

$$3. 4\frac{3}{5} \div (1\frac{9}{10} \div 1\frac{8}{11}) \\ = \frac{46}{11} = 4\frac{2}{11}$$

$$8. 1\frac{10}{11} \times 2\frac{4}{9} \times 1\frac{2}{5} \\ = \frac{98}{15} = 6\frac{8}{15}$$

$$13. 1\frac{1}{3} \div (1\frac{1}{2} \div 1\frac{1}{4}) \\ = \frac{10}{9} = 1\frac{1}{9}$$

$$4. 2\frac{1}{2} \div 2\frac{4}{9} \times 1\frac{3}{5} \\ = \frac{18}{11} = 1\frac{7}{11}$$

$$9. 1\frac{5}{11} \times 1\frac{2}{3} \times 1\frac{1}{2} \\ = \frac{40}{11} = 3\frac{7}{11}$$

$$14. 4\frac{2}{3} \times 1\frac{5}{7} \times 2\frac{1}{5} \\ = \frac{88}{5} = 17\frac{3}{5}$$

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

$$10. 1\frac{1}{3} \times 3\frac{2}{5} \times 1\frac{1}{2} \\ = \frac{34}{5} = 6\frac{4}{5}$$

$$15. 1\frac{1}{3} \div (1\frac{10}{11} \div 1\frac{2}{5}) \\ = \frac{44}{45}$$

Multiplying and Dividing Mixed Fractions (D)

Find the value of each expression in lowest terms.

1. $3\frac{2}{3} \div (4\frac{2}{5} \times 1\frac{3}{4})$

6. $1\frac{2}{7} \times 2\frac{1}{10} \div 2\frac{1}{2}$

11. $1\frac{1}{3} \times 2\frac{4}{7} \times 1\frac{5}{6}$

2. $5\frac{3}{4} \div 2\frac{5}{9} \div 3\frac{3}{4}$

7. $4\frac{2}{3} \div (3\frac{2}{3} \times 1\frac{4}{11})$

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

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

8. $3\frac{1}{2} \div (2\frac{4}{9} \times 1\frac{4}{11})$

13. $2\frac{1}{5} \times 1\frac{2}{3} \times 1\frac{6}{11}$

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

9. $1\frac{2}{3} \div (1\frac{1}{2} \div 4\frac{1}{4})$

14. $1\frac{5}{9} \div 1\frac{1}{6} \div 2\frac{1}{6}$

5. $2\frac{1}{6} \div 2\frac{1}{2} \div 1\frac{2}{3}$

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

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

Multiplying and Dividing Mixed Fractions (D) Answers

Find the value of each expression in lowest terms.

$$1. 3\frac{2}{3} \div \left(4\frac{2}{5} \times 1\frac{3}{4}\right) \\ = \frac{10}{21}$$

$$6. 1\frac{2}{7} \times 2\frac{1}{10} \div 2\frac{1}{2} \\ = \frac{27}{25} = 1\frac{2}{25}$$

$$11. 1\frac{1}{3} \times 2\frac{4}{7} \times 1\frac{5}{6} \\ = \frac{44}{7} = 6\frac{2}{7}$$

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

$$7. 4\frac{2}{3} \div \left(3\frac{2}{3} \times 1\frac{4}{11}\right) \\ = \frac{14}{15}$$

$$12. 1\frac{2}{3} \div 1\frac{1}{2} \div 1\frac{1}{6} \\ = \frac{20}{21}$$

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

$$8. 3\frac{1}{2} \div \left(2\frac{4}{9} \times 1\frac{4}{11}\right) \\ = \frac{21}{20} = 1\frac{1}{20}$$

$$13. 2\frac{1}{5} \times 1\frac{2}{3} \times 1\frac{6}{11} \\ = \frac{17}{3} = 5\frac{2}{3}$$

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

$$9. 1\frac{2}{3} \div \left(1\frac{1}{2} \div 4\frac{1}{4}\right) \\ = \frac{85}{18} = 4\frac{13}{18}$$

$$14. 1\frac{5}{9} \div 1\frac{1}{6} \div 2\frac{1}{6} \\ = \frac{8}{13}$$

$$5. 2\frac{1}{6} \div 2\frac{1}{2} \div 1\frac{2}{3} \\ = \frac{13}{25}$$

$$10. 2\frac{3}{5} \times 6\frac{2}{3} \div 1\frac{2}{3} \\ = \frac{52}{5} = 10\frac{2}{5}$$

$$15. 2\frac{3}{4} \times 3\frac{1}{5} \div 1\frac{3}{10} \\ = \frac{88}{13} = 6\frac{10}{13}$$

Multiplying and Dividing Mixed Fractions (E)

Find the value of each expression in lowest terms.

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

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

11. $2\frac{3}{10} \div 2\frac{7}{8} \times 1\frac{7}{12}$

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

7. $1\frac{2}{11} \times 2\frac{3}{4} \div 2\frac{1}{3}$

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

3. $2\frac{2}{3} \div (3\frac{2}{5} \div 8\frac{1}{2})$

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

13. $3\frac{1}{2} \div 4\frac{2}{3} \times 1\frac{5}{11}$

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

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

14. $2\frac{1}{3} \div 2\frac{1}{3} \times 2\frac{1}{11}$

5. $3\frac{4}{5} \div (5\frac{2}{3} \div 1\frac{5}{12})$

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

15. $2\frac{3}{7} \times 1\frac{1}{2} \div 2\frac{6}{7}$

Multiplying and Dividing Mixed Fractions (E) Answers

Find the value of each expression in lowest terms.

$$1. 1\frac{2}{9} \times 1\frac{4}{5} \times 1\frac{1}{3} \\ = \frac{44}{15} = 2\frac{14}{15}$$

$$6. 2\frac{1}{4} \times 1\frac{1}{5} \div 2\frac{1}{5} \\ = \frac{27}{22} = 1\frac{5}{22}$$

$$11. 2\frac{3}{10} \div 2\frac{7}{8} \times 1\frac{7}{12} \\ = \frac{19}{15} = 1\frac{4}{15}$$

$$2. 4\frac{2}{5} \times 5\frac{1}{3} \div 4\frac{2}{5} \\ = \frac{16}{3} = 5\frac{1}{3}$$

$$7. 1\frac{2}{11} \times 2\frac{3}{4} \div 2\frac{1}{3} \\ = \frac{39}{28} = 1\frac{11}{28}$$

$$12. 3\frac{1}{6} \div 1\frac{1}{3} \div 1\frac{1}{2} \\ = \frac{19}{12} = 1\frac{7}{12}$$

$$3. 2\frac{2}{3} \div (3\frac{2}{5} \div 8\frac{1}{2}) \\ = \frac{20}{3} = 6\frac{2}{3}$$

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

$$13. 3\frac{1}{2} \div 4\frac{2}{3} \times 1\frac{5}{11} \\ = \frac{12}{11} = 1\frac{1}{11}$$

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

$$9. 1\frac{1}{5} \times 1\frac{5}{6} \div 1\frac{1}{2} \\ = \frac{22}{15} = 1\frac{7}{15}$$

$$14. 2\frac{1}{3} \div 2\frac{1}{3} \times 2\frac{1}{11} \\ = \frac{23}{11} = 2\frac{1}{11}$$

$$5. 3\frac{4}{5} \div (5\frac{2}{3} \div 1\frac{5}{12}) \\ = \frac{19}{20}$$

$$10. 3\frac{1}{3} \div 7\frac{1}{2} \times 2\frac{1}{3} \\ = \frac{28}{27} = 1\frac{1}{27}$$

$$15. 2\frac{3}{7} \times 1\frac{1}{2} \div 2\frac{6}{7} \\ = \frac{51}{40} = 1\frac{11}{40}$$

Multiplying and Dividing Mixed Fractions (F)

Find the value of each expression in lowest terms.

1. $2\frac{1}{3} \div (2\frac{1}{5} \div 1\frac{2}{7})$

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

11. $2\frac{4}{7} \div (1\frac{2}{7} \div 1\frac{1}{2})$

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

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

12. $2\frac{5}{8} \div 2\frac{1}{8} \times 1\frac{1}{3}$

3. $1\frac{1}{2} \div (5\frac{1}{3} \div 2\frac{2}{7})$

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

13. $4\frac{1}{5} \div 1\frac{1}{3} \div 3\frac{3}{5}$

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

9. $2\frac{1}{2} \times 4\frac{4}{5} \div 2\frac{2}{3}$

14. $3\frac{1}{3} \div 1\frac{5}{6} \times 1\frac{2}{3}$

5. $1\frac{2}{11} \times 1\frac{3}{4} \times 1\frac{1}{3}$

10. $1\frac{9}{11} \div (1\frac{3}{5} \div 2\frac{2}{5})$

15. $1\frac{6}{11} \times 1\frac{3}{7} \times 4\frac{2}{5}$

Multiplying and Dividing Mixed Fractions (F) Answers

Find the value of each expression in lowest terms.

$$1. 2\frac{1}{3} \div (2\frac{1}{5} \div 1\frac{2}{7}) \\ = \frac{15}{11} = 1\frac{4}{11}$$

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

$$11. 2\frac{4}{7} \div (1\frac{2}{7} \div 1\frac{1}{2}) \\ = 3$$

$$2. 2\frac{5}{9} \div 2\frac{1}{2} \times 1\frac{4}{5} \\ = \frac{46}{25} = 1\frac{21}{25}$$

$$7. 2\frac{1}{2} \times 5\frac{1}{2} \times 1\frac{2}{11} \\ = \frac{65}{4} = 16\frac{1}{4}$$

$$12. 2\frac{5}{8} \div 2\frac{1}{8} \times 1\frac{1}{3} \\ = \frac{28}{17} = 1\frac{11}{17}$$

$$3. 1\frac{1}{2} \div (5\frac{1}{3} \div 2\frac{2}{7}) \\ = \frac{9}{14}$$

$$8. 2\frac{1}{3} \times 2\frac{1}{5} \div 3\frac{1}{2} \\ = \frac{22}{15} = 1\frac{7}{15}$$

$$13. 4\frac{1}{5} \div 1\frac{1}{3} \div 3\frac{3}{5} \\ = \frac{7}{8}$$

$$4. 1\frac{2}{5} \times 2\frac{1}{3} \div 1\frac{1}{2} \\ = \frac{98}{45} = 2\frac{8}{45}$$

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

$$14. 3\frac{1}{3} \div 1\frac{5}{6} \times 1\frac{2}{3} \\ = \frac{100}{33} = 3\frac{1}{33}$$

$$5. 1\frac{2}{11} \times 1\frac{3}{4} \times 1\frac{1}{3} \\ = \frac{91}{33} = 2\frac{25}{33}$$

$$10. 1\frac{9}{11} \div (1\frac{3}{5} \div 2\frac{2}{5}) \\ = \frac{30}{11} = 2\frac{8}{11}$$

$$15. 1\frac{6}{11} \times 1\frac{3}{7} \times 4\frac{2}{5} \\ = \frac{68}{7} = 9\frac{5}{7}$$

Multiplying and Dividing Mixed Fractions (G)

Find the value of each expression in lowest terms.

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

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

11. $2\frac{4}{5} \times 1\frac{2}{3} \times 1\frac{3}{7}$

2. $11\frac{1}{2} \div (2\frac{1}{2} \times 1\frac{1}{5})$

7. $1\frac{10}{11} \times 3\frac{1}{7} \div 9\frac{1}{2}$

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

3. $2\frac{4}{7} \div (1\frac{1}{2} \div 2\frac{1}{2})$

8. $1\frac{7}{9} \times 2\frac{4}{7} \div 1\frac{2}{3}$

13. $2\frac{2}{5} \div (1\frac{9}{11} \div 1\frac{4}{11})$

4. $1\frac{8}{9} \div 1\frac{1}{6} \div 4\frac{1}{4}$

9. $1\frac{7}{12} \times 3\frac{3}{7} \div 1\frac{4}{7}$

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

5. $3\frac{1}{3} \times 1\frac{1}{8} \times 3\frac{3}{5}$

10. $2\frac{1}{5} \times 1\frac{10}{11} \div 1\frac{2}{5}$

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

Multiplying and Dividing Mixed Fractions (G) Answers

Find the value of each expression in lowest terms.

$$1. 1\frac{2}{7} \times 1\frac{4}{5} \div 1\frac{1}{2} \\ = \frac{54}{35} = 1\frac{19}{35}$$

$$6. 2\frac{2}{3} \times 1\frac{1}{4} \times 7\frac{1}{2} \\ = 25$$

$$11. 2\frac{4}{5} \times 1\frac{2}{3} \times 1\frac{3}{7} \\ = \frac{20}{3} = 6\frac{2}{3}$$

$$2. 11\frac{1}{2} \div (2\frac{1}{2} \times 1\frac{1}{5}) \\ = \frac{23}{6} = 3\frac{5}{6}$$

$$7. 1\frac{10}{11} \times 3\frac{1}{7} \div 9\frac{1}{2} \\ = \frac{12}{19}$$

$$12. 1\frac{1}{2} \times 4\frac{2}{3} \div 3\frac{2}{3} \\ = \frac{21}{11} = 1\frac{10}{11}$$

$$3. 2\frac{4}{7} \div (1\frac{1}{2} \div 2\frac{1}{2}) \\ = \frac{30}{7} = 4\frac{2}{7}$$

$$8. 1\frac{7}{9} \times 2\frac{4}{7} \div 1\frac{2}{3} \\ = \frac{96}{35} = 2\frac{26}{35}$$

$$13. 2\frac{2}{5} \div (1\frac{9}{11} \div 1\frac{4}{11}) \\ = \frac{9}{5} = 1\frac{4}{5}$$

$$4. 1\frac{8}{9} \div 1\frac{1}{6} \div 4\frac{1}{4} \\ = \frac{8}{21}$$

$$9. 1\frac{7}{12} \times 3\frac{3}{7} \div 1\frac{4}{7} \\ = \frac{38}{11} = 3\frac{5}{11}$$

$$14. 2\frac{3}{8} \times 1\frac{2}{3} \times 1\frac{1}{5} \\ = \frac{19}{4} = 4\frac{3}{4}$$

$$5. 3\frac{1}{3} \times 1\frac{1}{8} \times 3\frac{3}{5} \\ = \frac{27}{2} = 13\frac{1}{2}$$

$$10. 2\frac{1}{5} \times 1\frac{10}{11} \div 1\frac{2}{5} \\ = 3$$

$$15. 2\frac{2}{3} \times 2\frac{1}{10} \times 1\frac{1}{4} \\ = 7$$

Multiplying and Dividing Mixed Fractions (H)

Find the value of each expression in lowest terms.

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

6. $6\frac{1}{2} \div (2\frac{1}{2} \times 1\frac{4}{5})$

11. $1\frac{3}{10} \div (5\frac{1}{3} \div 1\frac{1}{3})$

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

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

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

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

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

13. $2\frac{1}{2} \times 2\frac{2}{5} \div 2\frac{1}{6}$

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

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

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

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

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

15. $2\frac{1}{10} \div (1\frac{1}{8} \times 2\frac{1}{3})$

Multiplying and Dividing Mixed Fractions (H) Answers

Find the value of each expression in lowest terms.

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

$$6. 6\frac{1}{2} \div (2\frac{1}{2} \times 1\frac{4}{5}) \\ = \frac{13}{9} = 1\frac{4}{9}$$

$$11. 1\frac{3}{10} \div (5\frac{1}{3} \div 1\frac{1}{3}) \\ = \frac{13}{40}$$

$$2. 1\frac{1}{2} \times 1\frac{2}{5} \times 1\frac{4}{9} \\ = \frac{91}{30} = 3\frac{1}{30}$$

$$7. 1\frac{1}{4} \times 1\frac{1}{5} \times 4\frac{1}{3} \\ = \frac{13}{2} = 6\frac{1}{2}$$

$$12. 3\frac{2}{3} \times 1\frac{1}{2} \div 3\frac{1}{3} \\ = \frac{33}{20} = 1\frac{13}{20}$$

$$3. 1\frac{1}{12} \times 1\frac{1}{2} \div 5\frac{3}{4} \\ = \frac{13}{46}$$

$$8. 1\frac{3}{8} \times 1\frac{1}{3} \times 2\frac{1}{2} \\ = \frac{55}{12} = 4\frac{7}{12}$$

$$13. 2\frac{1}{2} \times 2\frac{2}{5} \div 2\frac{1}{6} \\ = \frac{36}{13} = 2\frac{10}{13}$$

$$4. 4\frac{1}{5} \times 2\frac{1}{2} \times 1\frac{5}{7} \\ = 18$$

$$9. 1\frac{2}{9} \times 1\frac{4}{5} \div 1\frac{1}{2} \\ = \frac{22}{15} = 1\frac{7}{15}$$

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

$$5. 3\frac{1}{2} \times 3\frac{1}{2} \times 1\frac{2}{7} \\ = \frac{63}{4} = 15\frac{3}{4}$$

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

$$15. 2\frac{1}{10} \div (1\frac{1}{8} \times 2\frac{1}{3}) \\ = \frac{4}{5}$$

Multiplying and Dividing Mixed Fractions (I)

Find the value of each expression in lowest terms.

1. $1\frac{1}{3} \div 1\frac{2}{3} \times 1\frac{11}{12}$

6. $1\frac{3}{7} \times 1\frac{3}{5} \div 1\frac{1}{4}$

11. $1\frac{6}{7} \div (1\frac{4}{11} \times 1\frac{4}{7})$

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

7. $1\frac{5}{6} \div 2\frac{1}{2} \times 3\frac{1}{3}$

12. $7\frac{1}{3} \times 1\frac{2}{11} \times 2\frac{1}{2}$

3. $1\frac{7}{11} \times 1\frac{5}{6} \div 1\frac{8}{11}$

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

13. $1\frac{1}{3} \div (1\frac{2}{5} \times 2\frac{6}{7})$

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

9. $2\frac{2}{3} \div (1\frac{2}{3} \times 1\frac{3}{7})$

14. $10\frac{1}{2} \times 4\frac{2}{5} \div 2\frac{1}{5}$

5. $1\frac{2}{9} \times 1\frac{1}{2} \div 5\frac{1}{2}$

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

15. $3\frac{1}{7} \div (1\frac{5}{6} \times 3\frac{1}{5})$

Multiplying and Dividing Mixed Fractions (I) Answers

Find the value of each expression in lowest terms.

$$1. 1\frac{1}{3} \div 1\frac{2}{3} \times 1\frac{11}{12} \\ = \frac{23}{15} = 1\frac{8}{15}$$

$$6. 1\frac{3}{7} \times 1\frac{3}{5} \div 1\frac{1}{4} \\ = \frac{64}{35} = 1\frac{29}{35}$$

$$11. 1\frac{6}{7} \div (1\frac{4}{11} \times 1\frac{4}{7}) \\ = \frac{13}{15}$$

$$2. 1\frac{1}{2} \div 1\frac{1}{5} \times 1\frac{5}{6} \\ = \frac{55}{24} = 2\frac{7}{24}$$

$$7. 1\frac{5}{6} \div 2\frac{1}{2} \times 3\frac{1}{3} \\ = \frac{22}{9} = 2\frac{4}{9}$$

$$12. 7\frac{1}{3} \times 1\frac{2}{11} \times 2\frac{1}{2} \\ = \frac{65}{3} = 21\frac{2}{3}$$

$$3. 1\frac{7}{11} \times 1\frac{5}{6} \div 1\frac{8}{11} \\ = \frac{33}{19} = 1\frac{14}{19}$$

$$8. 6\frac{1}{2} \div 1\frac{1}{6} \times 1\frac{3}{4} \\ = \frac{39}{4} = 9\frac{3}{4}$$

$$13. 1\frac{1}{3} \div (1\frac{2}{5} \times 2\frac{6}{7}) \\ = \frac{1}{3}$$

$$4. 1\frac{1}{2} \times 1\frac{2}{3} \div 1\frac{2}{7} \\ = \frac{35}{18} = 1\frac{17}{18}$$

$$9. 2\frac{2}{3} \div (1\frac{2}{3} \times 1\frac{3}{7}) \\ = \frac{28}{25} = 1\frac{3}{25}$$

$$14. 10\frac{1}{2} \times 4\frac{2}{5} \div 2\frac{1}{5} \\ = 21$$

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

$$10. 1\frac{2}{3} \div (2\frac{1}{2} \div 1\frac{1}{4}) \\ = \frac{5}{6}$$

$$15. 3\frac{1}{7} \div (1\frac{5}{6} \times 3\frac{1}{5}) \\ = \frac{15}{28}$$

Multiplying and Dividing Mixed Fractions (J)

Find the value of each expression in lowest terms.

1. $1\frac{1}{12} \times 1\frac{5}{7} \div 2\frac{2}{7}$

6. $2\frac{2}{5} \times 3\frac{1}{3} \times 2\frac{7}{8}$

11. $1\frac{1}{10} \div 1\frac{1}{5} \div 3\frac{1}{4}$

2. $1\frac{2}{5} \times 1\frac{1}{6} \times 2\frac{6}{7}$

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

12. $4\frac{1}{2} \div 1\frac{1}{2} \times 2\frac{1}{11}$

3. $1\frac{5}{7} \times 7\frac{2}{3} \div 2\frac{1}{7}$

8. $1\frac{1}{2} \div 2\frac{2}{5} \div 3\frac{1}{2}$

13. $4\frac{1}{3} \div 1\frac{3}{10} \times 1\frac{2}{3}$

4. $2\frac{2}{3} \times 1\frac{1}{10} \times 1\frac{10}{11}$

9. $1\frac{5}{11} \times 2\frac{1}{5} \div 1\frac{1}{4}$

14. $1\frac{1}{9} \div 1\frac{1}{3} \times 2\frac{2}{3}$

5. $1\frac{9}{11} \div 1\frac{1}{3} \times 2\frac{1}{2}$

10. $2\frac{1}{2} \times 1\frac{1}{8} \div 2\frac{3}{8}$

15. $8\frac{1}{2} \div 1\frac{8}{9} \div 2\frac{5}{9}$

Multiplying and Dividing Mixed Fractions (J) Answers

Find the value of each expression in lowest terms.

$$1. 1\frac{1}{12} \times 1\frac{5}{7} \div 2\frac{2}{7} \\ = \frac{13}{16}$$

$$6. 2\frac{2}{5} \times 3\frac{1}{3} \times 2\frac{7}{8} \\ = 23$$

$$11. 1\frac{1}{10} \div 1\frac{1}{5} \div 3\frac{1}{4} \\ = \frac{11}{39}$$

$$2. 1\frac{2}{5} \times 1\frac{1}{6} \times 2\frac{6}{7} \\ = \frac{14}{3} = 4\frac{2}{3}$$

$$7. 2\frac{1}{4} \times 2\frac{3}{4} \times 1\frac{1}{3} \\ = \frac{33}{4} = 8\frac{1}{4}$$

$$12. 4\frac{1}{2} \div 1\frac{1}{2} \times 2\frac{1}{11} \\ = \frac{69}{11} = 6\frac{3}{11}$$

$$3. 1\frac{5}{7} \times 7\frac{2}{3} \div 2\frac{1}{7} \\ = \frac{92}{15} = 6\frac{2}{15}$$

$$8. 1\frac{1}{2} \div 2\frac{2}{5} \div 3\frac{1}{2} \\ = \frac{5}{28}$$

$$13. 4\frac{1}{3} \div 1\frac{3}{10} \times 1\frac{2}{3} \\ = \frac{50}{9} = 5\frac{5}{9}$$

$$4. 2\frac{2}{3} \times 1\frac{1}{10} \times 1\frac{10}{11} \\ = \frac{28}{5} = 5\frac{3}{5}$$

$$9. 1\frac{5}{11} \times 2\frac{1}{5} \div 1\frac{1}{4} \\ = \frac{64}{25} = 2\frac{14}{25}$$

$$14. 1\frac{1}{9} \div 1\frac{1}{3} \times 2\frac{2}{3} \\ = \frac{20}{9} = 2\frac{2}{9}$$

$$5. 1\frac{9}{11} \div 1\frac{1}{3} \times 2\frac{1}{2} \\ = \frac{75}{22} = 3\frac{9}{22}$$

$$10. 2\frac{1}{2} \times 1\frac{1}{8} \div 2\frac{3}{8} \\ = \frac{45}{38} = 1\frac{7}{38}$$

$$15. 8\frac{1}{2} \div 1\frac{8}{9} \div 2\frac{5}{9} \\ = \frac{81}{46} = 1\frac{35}{46}$$