

Multiplying and Dividing Fractions (A)

Find the value of each expression in lowest terms.

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

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

11. $\frac{24}{7} \div \left(\frac{16}{5} \div \frac{3}{5}\right)$

2. $\frac{4}{3} \div \frac{20}{3} \times \frac{11}{9}$

7. $\frac{13}{12} \times \frac{11}{4} \div \frac{13}{6}$

12. $\frac{8}{3} \times \frac{4}{3} \div \frac{20}{7}$

3. $\frac{23}{12} \div \left(\frac{4}{3} \times \frac{13}{8}\right)$

8. $\frac{5}{2} \div \left(\frac{13}{6} \div \frac{19}{9}\right)$

13. $\frac{11}{5} \div \left(\frac{5}{2} \div \frac{7}{2}\right)$

4. $\frac{11}{8} \div \left(\frac{21}{5} \times \frac{5}{6}\right)$

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

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

5. $\frac{18}{11} \times \frac{11}{3} \div \frac{16}{5}$

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

15. $\frac{1}{7} \times \frac{9}{4} \times \frac{17}{9}$

Multiplying and Dividing Fractions (A) Answers

Find the value of each expression in lowest terms.

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

$$6. \frac{3}{4} \times \frac{9}{4} \div \frac{5}{2} \\ = \frac{27}{40}$$

$$11. \frac{24}{7} \div \left(\frac{16}{5} \div \frac{3}{5} \right) \\ = \frac{9}{14}$$

$$2. \frac{4}{3} \div \frac{20}{3} \times \frac{11}{9} \\ = \frac{11}{45}$$

$$7. \frac{13}{12} \times \frac{11}{4} \div \frac{13}{6} \\ = \frac{11}{8} = 1\frac{3}{8}$$

$$12. \frac{8}{3} \times \frac{4}{3} \div \frac{20}{7} \\ = \frac{56}{45} = 1\frac{11}{45}$$

$$3. \frac{23}{12} \div \left(\frac{4}{3} \times \frac{13}{8} \right) \\ = \frac{23}{26}$$

$$8. \frac{5}{2} \div \left(\frac{13}{6} \div \frac{19}{9} \right) \\ = \frac{95}{39} = 2\frac{17}{39}$$

$$13. \frac{11}{5} \div \left(\frac{5}{2} \div \frac{7}{2} \right) \\ = \frac{77}{25} = 3\frac{2}{25}$$

$$4. \frac{11}{8} \div \left(\frac{21}{5} \times \frac{5}{6} \right) \\ = \frac{11}{28}$$

$$9. \frac{7}{8} \times \frac{4}{3} \div \frac{2}{5} \\ = \frac{35}{12} = 2\frac{11}{12}$$

$$14. \frac{2}{3} \times \frac{4}{3} \div \frac{5}{8} \\ = \frac{64}{45} = 1\frac{19}{45}$$

$$5. \frac{18}{11} \times \frac{11}{3} \div \frac{16}{5} \\ = \frac{15}{8} = 1\frac{7}{8}$$

$$10. \frac{10}{3} \times \frac{2}{9} \times \frac{6}{5} \\ = \frac{8}{9}$$

$$15. \frac{1}{7} \times \frac{9}{4} \times \frac{17}{9} \\ = \frac{17}{28}$$

Multiplying and Dividing Fractions (B)

Find the value of each expression in lowest terms.

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

6. $\frac{9}{10} \div \left(\frac{11}{5} \div \frac{1}{6}\right)$

11. $\frac{7}{8} \times \frac{15}{8} \div \frac{5}{2}$

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

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

12. $\frac{7}{3} \times \frac{1}{2} \times \frac{21}{8}$

3. $\frac{11}{4} \times \frac{24}{11} \times \frac{3}{4}$

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

13. $\frac{1}{6} \div \frac{5}{4} \times \frac{9}{5}$

4. $\frac{4}{3} \times \frac{9}{2} \div \frac{17}{9}$

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

14. $\frac{22}{5} \div \left(\frac{11}{6} \times \frac{5}{2}\right)$

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

10. $\frac{1}{4} \times \frac{24}{5} \times \frac{3}{2}$

15. $\frac{1}{4} \div \left(\frac{2}{5} \div \frac{7}{4}\right)$

Multiplying and Dividing Fractions (B) Answers

Find the value of each expression in lowest terms.

$$\begin{aligned} 1. \quad & \frac{7}{2} \times \frac{11}{12} \div \frac{11}{3} \\ & = \frac{7}{8} \end{aligned}$$

$$\begin{aligned} 6. \quad & \frac{9}{10} \div \left(\frac{11}{5} \div \frac{1}{6} \right) \\ & = \frac{3}{44} \end{aligned}$$

$$\begin{aligned} 11. \quad & \frac{7}{8} \times \frac{15}{8} \div \frac{5}{2} \\ & = \frac{21}{32} \end{aligned}$$

$$\begin{aligned} 2. \quad & \frac{5}{8} \times \frac{3}{2} \times \frac{1}{3} \\ & = \frac{5}{16} \end{aligned}$$

$$\begin{aligned} 7. \quad & \frac{2}{9} \times \frac{3}{4} \times \frac{1}{7} \\ & = \frac{1}{42} \end{aligned}$$

$$\begin{aligned} 12. \quad & \frac{7}{3} \times \frac{1}{2} \times \frac{21}{8} \\ & = \frac{49}{16} = 3\frac{1}{16} \end{aligned}$$

$$\begin{aligned} 3. \quad & \frac{11}{4} \times \frac{24}{11} \times \frac{3}{4} \\ & = \frac{9}{2} = 4\frac{1}{2} \end{aligned}$$

$$\begin{aligned} 8. \quad & \frac{2}{5} \div \left(\frac{5}{3} \times \frac{1}{3} \right) \\ & = \frac{18}{25} \end{aligned}$$

$$\begin{aligned} 13. \quad & \frac{1}{6} \div \frac{5}{4} \times \frac{9}{5} \\ & = \frac{6}{25} \end{aligned}$$

$$\begin{aligned} 4. \quad & \frac{4}{3} \times \frac{9}{2} \div \frac{17}{9} \\ & = \frac{54}{17} = 3\frac{3}{17} \end{aligned}$$

$$\begin{aligned} 9. \quad & \frac{5}{6} \times \frac{1}{3} \div \frac{3}{2} \\ & = \frac{5}{27} \end{aligned}$$

$$\begin{aligned} 14. \quad & \frac{22}{5} \div \left(\frac{11}{6} \times \frac{5}{2} \right) \\ & = \frac{24}{25} \end{aligned}$$

$$\begin{aligned} 5. \quad & \frac{8}{3} \times \frac{5}{7} \times \frac{6}{7} \\ & = \frac{80}{49} = 1\frac{31}{49} \end{aligned}$$

$$\begin{aligned} 10. \quad & \frac{1}{4} \times \frac{24}{5} \times \frac{3}{2} \\ & = \frac{9}{5} = 1\frac{4}{5} \end{aligned}$$

$$\begin{aligned} 15. \quad & \frac{1}{4} \div \left(\frac{2}{5} \div \frac{7}{4} \right) \\ & = \frac{35}{32} = 1\frac{3}{32} \end{aligned}$$

Multiplying and Dividing Fractions (C)

Find the value of each expression in lowest terms.

1. $\frac{12}{5} \div \frac{2}{3} \times \frac{17}{12}$

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

11. $\frac{5}{3} \times \frac{17}{7} \div \frac{1}{3}$

2. $\frac{5}{4} \times \frac{10}{3} \div \frac{5}{6}$

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

12. $\frac{21}{5} \div \left(\frac{14}{3} \times \frac{3}{4}\right)$

3. $\frac{17}{7} \div \frac{1}{4} \div \frac{24}{7}$

8. $\frac{8}{5} \times \frac{3}{2} \times \frac{7}{12}$

13. $\frac{20}{7} \times \frac{7}{12} \div \frac{1}{3}$

4. $\frac{1}{6} \div \frac{1}{9} \div \frac{6}{11}$

9. $\frac{4}{5} \times \frac{20}{11} \div \frac{1}{4}$

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

5. $\frac{9}{5} \times \frac{1}{4} \times \frac{14}{3}$

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

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

Multiplying and Dividing Fractions (C) Answers

Find the value of each expression in lowest terms.

$$1. \frac{12}{5} \div \frac{2}{3} \times \frac{17}{12} \\ = \frac{51}{10} = 5\frac{1}{10}$$

$$6. \frac{1}{6} \times \frac{15}{4} \times \frac{5}{2} \\ = \frac{25}{16} = 1\frac{9}{16}$$

$$11. \frac{5}{3} \times \frac{17}{7} \div \frac{1}{3} \\ = \frac{85}{7} = 12\frac{1}{7}$$

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

$$7. \frac{11}{7} \times \frac{1}{2} \times \frac{4}{3} \\ = \frac{22}{21} = 1\frac{1}{21}$$

$$12. \frac{21}{5} \div \left(\frac{14}{3} \times \frac{3}{4}\right) \\ = \frac{6}{5} = 1\frac{1}{5}$$

$$3. \frac{17}{7} \div \frac{1}{4} \div \frac{24}{7} \\ = \frac{17}{6} = 2\frac{5}{6}$$

$$8. \frac{8}{5} \times \frac{3}{2} \times \frac{7}{12} \\ = \frac{7}{5} = 1\frac{2}{5}$$

$$13. \frac{20}{7} \times \frac{7}{12} \div \frac{1}{3} \\ = 5$$

$$4. \frac{1}{6} \div \frac{1}{9} \div \frac{6}{11} \\ = \frac{11}{4} = 2\frac{3}{4}$$

$$9. \frac{4}{5} \times \frac{20}{11} \div \frac{1}{4} \\ = \frac{64}{11} = 5\frac{9}{11}$$

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

$$5. \frac{9}{5} \times \frac{1}{4} \times \frac{14}{3} \\ = \frac{21}{10} = 2\frac{1}{10}$$

$$10. \frac{7}{4} \times \frac{2}{3} \div \frac{1}{8} \\ = \frac{28}{3} = 9\frac{1}{3}$$

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

Multiplying and Dividing Fractions (D)

Find the value of each expression in lowest terms.

1. $\frac{13}{7} \div \left(\frac{1}{2} \div \frac{1}{6}\right)$

6. $\frac{5}{2} \div \frac{5}{7} \div \frac{19}{3}$

11. $\frac{5}{4} \div \left(\frac{1}{3} \times \frac{7}{2}\right)$

2. $\frac{12}{7} \div \left(\frac{12}{7} \times \frac{16}{9}\right)$

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

12. $\frac{11}{2} \div \frac{1}{5} \div \frac{19}{2}$

3. $\frac{23}{9} \div \left(\frac{13}{8} \div \frac{3}{2}\right)$

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

13. $\frac{17}{9} \times \frac{3}{2} \times \frac{18}{5}$

4. $\frac{4}{3} \div \frac{3}{11} \div \frac{7}{6}$

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

14. $\frac{12}{5} \div \left(\frac{3}{5} \times \frac{14}{9}\right)$

5. $\frac{7}{11} \times \frac{11}{2} \div \frac{13}{4}$

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

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

Multiplying and Dividing Fractions (D) Answers

Find the value of each expression in lowest terms.

$$1. \frac{13}{7} \div \left(\frac{1}{2} \div \frac{1}{6} \right) \\ = \frac{13}{21}$$

$$6. \frac{5}{2} \div \frac{5}{7} \div \frac{19}{3} \\ = \frac{21}{38}$$

$$11. \frac{5}{4} \div \left(\frac{1}{3} \times \frac{7}{2} \right) \\ = \frac{15}{14} = 1\frac{1}{14}$$

$$2. \frac{12}{7} \div \left(\frac{12}{7} \times \frac{16}{9} \right) \\ = \frac{9}{16}$$

$$7. \frac{21}{2} \times \frac{7}{6} \div \frac{1}{2} \\ = \frac{49}{2} = 24\frac{1}{2}$$

$$12. \frac{11}{2} \div \frac{1}{5} \div \frac{19}{2} \\ = \frac{55}{19} = 2\frac{17}{19}$$

$$3. \frac{23}{9} \div \left(\frac{13}{8} \div \frac{3}{2} \right) \\ = \frac{92}{39} = 2\frac{14}{39}$$

$$8. \frac{1}{6} \times \frac{3}{2} \times \frac{23}{3} \\ = \frac{23}{12} = 1\frac{11}{12}$$

$$13. \frac{17}{9} \times \frac{3}{2} \times \frac{18}{5} \\ = \frac{51}{5} = 10\frac{1}{5}$$

$$4. \frac{4}{3} \div \frac{3}{11} \div \frac{7}{6} \\ = \frac{88}{21} = 4\frac{4}{21}$$

$$9. \frac{1}{5} \times \frac{2}{3} \div \frac{13}{10} \\ = \frac{4}{39}$$

$$14. \frac{12}{5} \div \left(\frac{3}{5} \times \frac{14}{9} \right) \\ = \frac{18}{7} = 2\frac{4}{7}$$

$$5. \frac{7}{11} \times \frac{11}{2} \div \frac{13}{4} \\ = \frac{14}{13} = 1\frac{1}{13}$$

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

$$15. \frac{5}{2} \div \frac{1}{7} \div \frac{9}{4} \\ = \frac{70}{9} = 7\frac{7}{9}$$

Multiplying and Dividing Fractions (E)

Find the value of each expression in lowest terms.

1. $\frac{23}{8} \times \frac{16}{9} \times \frac{1}{2}$

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

11. $\frac{3}{2} \div \frac{9}{10} \div \frac{19}{6}$

2. $\frac{11}{5} \times \frac{5}{4} \times \frac{12}{5}$

7. $\frac{7}{4} \div \left(\frac{8}{3} \times \frac{1}{3}\right)$

12. $\frac{24}{5} \times \frac{9}{4} \div \frac{3}{2}$

3. $\frac{9}{2} \times \frac{13}{3} \times \frac{7}{3}$

8. $\frac{7}{2} \times \frac{13}{9} \times \frac{15}{7}$

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

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

9. $\frac{17}{2} \div \left(\frac{15}{8} \div \frac{1}{2}\right)$

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

5. $\frac{12}{5} \times \frac{11}{4} \times \frac{4}{9}$

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

15. $\frac{15}{7} \times \frac{11}{4} \times \frac{7}{11}$

Multiplying and Dividing Fractions (E) Answers

Find the value of each expression in lowest terms.

$$\begin{aligned} 1. \quad & \frac{23}{8} \times \frac{16}{9} \times \frac{1}{2} \\ & = \frac{23}{9} = 2\frac{5}{9} \end{aligned}$$

$$\begin{aligned} 6. \quad & \frac{8}{5} \times \frac{3}{10} \div \frac{1}{2} \\ & = \frac{24}{25} \end{aligned}$$

$$\begin{aligned} 11. \quad & \frac{3}{2} \div \frac{9}{10} \div \frac{19}{6} \\ & = \frac{10}{19} \end{aligned}$$

$$\begin{aligned} 2. \quad & \frac{11}{5} \times \frac{5}{4} \times \frac{12}{5} \\ & = \frac{33}{5} = 6\frac{3}{5} \end{aligned}$$

$$\begin{aligned} 7. \quad & \frac{7}{4} \div \left(\frac{8}{3} \times \frac{1}{3} \right) \\ & = \frac{63}{32} = 1\frac{31}{32} \end{aligned}$$

$$\begin{aligned} 12. \quad & \frac{24}{5} \times \frac{9}{4} \div \frac{3}{2} \\ & = \frac{36}{5} = 7\frac{1}{5} \end{aligned}$$

$$\begin{aligned} 3. \quad & \frac{9}{2} \times \frac{13}{3} \times \frac{7}{3} \\ & = \frac{91}{2} = 45\frac{1}{2} \end{aligned}$$

$$\begin{aligned} 8. \quad & \frac{7}{2} \times \frac{13}{9} \times \frac{15}{7} \\ & = \frac{65}{6} = 10\frac{5}{6} \end{aligned}$$

$$\begin{aligned} 13. \quad & \frac{5}{4} \div \frac{5}{4} \times \frac{3}{10} \\ & = \frac{3}{10} \end{aligned}$$

$$\begin{aligned} 4. \quad & \frac{1}{5} \div \frac{1}{6} \div \frac{7}{2} \\ & = \frac{12}{35} \end{aligned}$$

$$\begin{aligned} 9. \quad & \frac{17}{2} \div \left(\frac{15}{8} \div \frac{1}{2} \right) \\ & = \frac{34}{15} = 2\frac{4}{15} \end{aligned}$$

$$\begin{aligned} 14. \quad & \frac{3}{2} \div \left(\frac{15}{7} \div \frac{4}{3} \right) \\ & = \frac{14}{15} \end{aligned}$$

$$\begin{aligned} 5. \quad & \frac{12}{5} \times \frac{11}{4} \times \frac{4}{9} \\ & = \frac{44}{15} = 2\frac{14}{15} \end{aligned}$$

$$\begin{aligned} 10. \quad & \frac{7}{3} \div \frac{6}{7} \times \frac{3}{2} \\ & = \frac{49}{12} = 4\frac{1}{12} \end{aligned}$$

$$\begin{aligned} 15. \quad & \frac{15}{7} \times \frac{11}{4} \times \frac{7}{11} \\ & = \frac{15}{4} = 3\frac{3}{4} \end{aligned}$$

Multiplying and Dividing Fractions (F)

Find the value of each expression in lowest terms.

1. $\frac{7}{2} \div \frac{9}{2} \div \frac{5}{4}$

6. $\frac{15}{2} \times \frac{1}{12} \times \frac{5}{2}$

11. $\frac{22}{9} \times \frac{11}{2} \div \frac{22}{9}$

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

7. $\frac{13}{10} \div \left(\frac{7}{4} \times \frac{13}{8}\right)$

12. $\frac{7}{6} \times \frac{5}{4} \times \frac{13}{10}$

3. $\frac{5}{2} \div \left(\frac{2}{3} \times \frac{17}{4}\right)$

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

13. $\frac{7}{12} \div \frac{1}{3} \div \frac{19}{10}$

4. $\frac{14}{11} \times \frac{5}{2} \div \frac{5}{4}$

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

14. $\frac{3}{2} \div \left(\frac{5}{4} \times \frac{11}{10}\right)$

5. $\frac{13}{3} \div \frac{14}{9} \div \frac{1}{4}$

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

15. $\frac{14}{11} \div \left(\frac{2}{5} \div \frac{3}{5}\right)$

Multiplying and Dividing Fractions (F) Answers

Find the value of each expression in lowest terms.

$$1. \frac{7}{2} \div \frac{9}{2} \div \frac{5}{4} \\ = \frac{28}{45}$$

$$6. \frac{15}{2} \times \frac{1}{12} \times \frac{5}{2} \\ = \frac{25}{16} = 1\frac{9}{16}$$

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

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

$$7. \frac{13}{10} \div \left(\frac{7}{4} \times \frac{13}{8}\right) \\ = \frac{16}{35}$$

$$12. \frac{7}{6} \times \frac{5}{4} \times \frac{13}{10} \\ = \frac{91}{48} = 1\frac{43}{48}$$

$$3. \frac{5}{2} \div \left(\frac{2}{3} \times \frac{17}{4}\right) \\ = \frac{15}{17}$$

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

$$13. \frac{7}{12} \div \frac{1}{3} \div \frac{19}{10} \\ = \frac{35}{38}$$

$$4. \frac{14}{11} \times \frac{5}{2} \div \frac{5}{4} \\ = \frac{28}{11} = 2\frac{6}{11}$$

$$9. \frac{1}{3} \div \frac{13}{4} \times \frac{13}{11} \\ = \frac{4}{33}$$

$$14. \frac{3}{2} \div \left(\frac{5}{4} \times \frac{11}{10}\right) \\ = \frac{12}{11} = 1\frac{1}{11}$$

$$5. \frac{13}{3} \div \frac{14}{9} \div \frac{1}{4} \\ = \frac{78}{7} = 11\frac{1}{7}$$

$$10. \frac{1}{3} \times \frac{11}{5} \div \frac{3}{5} \\ = \frac{11}{9} = 1\frac{2}{9}$$

$$15. \frac{14}{11} \div \left(\frac{2}{5} \div \frac{3}{5}\right) \\ = \frac{21}{11} = 1\frac{10}{11}$$

Multiplying and Dividing Fractions (G)

Find the value of each expression in lowest terms.

1. $\frac{20}{3} \div \frac{18}{5} \div \frac{5}{2}$

6. $\frac{1}{2} \times \frac{11}{6} \div \frac{5}{9}$

11. $\frac{1}{6} \times \frac{11}{2} \times \frac{10}{3}$

2. $\frac{13}{12} \times \frac{4}{3} \times \frac{7}{2}$

7. $\frac{12}{5} \times \frac{10}{11} \div \frac{17}{11}$

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

3. $\frac{11}{6} \div \left(\frac{10}{3} \div \frac{3}{2}\right)$

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

13. $\frac{8}{5} \div \frac{1}{10} \div \frac{8}{3}$

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

9. $\frac{21}{2} \div \left(\frac{3}{4} \times \frac{2}{7}\right)$

14. $\frac{16}{7} \times \frac{1}{2} \times \frac{13}{8}$

5. $\frac{17}{3} \times \frac{3}{5} \div \frac{1}{2}$

10. $\frac{3}{2} \div \frac{9}{2} \div \frac{19}{6}$

15. $\frac{11}{6} \times \frac{13}{10} \div \frac{13}{4}$

Multiplying and Dividing Fractions (G) Answers

Find the value of each expression in lowest terms.

$$1. \frac{20}{3} \div \frac{18}{5} \div \frac{5}{2} \\ = \frac{20}{27}$$

$$6. \frac{1}{2} \times \frac{11}{6} \div \frac{5}{9} \\ = \frac{33}{20} = 1\frac{13}{20}$$

$$11. \frac{1}{6} \times \frac{11}{2} \times \frac{10}{3} \\ = \frac{55}{18} = 3\frac{1}{18}$$

$$2. \frac{13}{12} \times \frac{4}{3} \times \frac{7}{2} \\ = \frac{91}{18} = 5\frac{1}{18}$$

$$7. \frac{12}{5} \times \frac{10}{11} \div \frac{17}{11} \\ = \frac{24}{17} = 1\frac{7}{17}$$

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

$$3. \frac{11}{6} \div \left(\frac{10}{3} \div \frac{3}{2}\right) \\ = \frac{33}{40}$$

$$8. \frac{3}{5} \times \frac{3}{4} \div \frac{5}{2} \\ = \frac{9}{50}$$

$$13. \frac{8}{5} \div \frac{1}{10} \div \frac{8}{3} \\ = 6$$

$$4. \frac{16}{7} \div \frac{1}{7} \times \frac{4}{3} \\ = \frac{64}{3} = 21\frac{1}{3}$$

$$9. \frac{21}{2} \div \left(\frac{3}{4} \times \frac{2}{7}\right) \\ = 49$$

$$14. \frac{16}{7} \times \frac{1}{2} \times \frac{13}{8} \\ = \frac{13}{7} = 1\frac{6}{7}$$

$$5. \frac{17}{3} \times \frac{3}{5} \div \frac{1}{2} \\ = \frac{34}{5} = 6\frac{4}{5}$$

$$10. \frac{3}{2} \div \frac{9}{2} \div \frac{19}{6} \\ = \frac{2}{19}$$

$$15. \frac{11}{6} \times \frac{13}{10} \div \frac{13}{4} \\ = \frac{11}{15}$$

Multiplying and Dividing Fractions (H)

Find the value of each expression in lowest terms.

1. $\frac{7}{6} \div \frac{7}{4} \div \frac{10}{3}$

6. $\frac{7}{5} \times \frac{5}{3} \times \frac{7}{3}$

11. $\frac{9}{5} \div \frac{5}{4} \div \frac{9}{8}$

2. $\frac{23}{5} \times \frac{1}{3} \div \frac{4}{3}$

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

12. $\frac{7}{3} \times \frac{15}{2} \times \frac{14}{5}$

3. $\frac{19}{6} \div \left(\frac{1}{6} \div \frac{1}{9}\right)$

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

13. $\frac{9}{8} \div \left(\frac{3}{2} \times \frac{5}{3}\right)$

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

9. $\frac{12}{5} \div \frac{1}{8} \times \frac{5}{6}$

14. $\frac{8}{5} \times \frac{22}{3} \times \frac{15}{4}$

5. $\frac{22}{5} \div \frac{2}{5} \div \frac{1}{5}$

10. $\frac{1}{11} \div \left(\frac{1}{6} \div \frac{5}{2}\right)$

15. $\frac{7}{3} \div \frac{10}{3} \times \frac{5}{2}$

Multiplying and Dividing Fractions (H) Answers

Find the value of each expression in lowest terms.

$$1. \frac{7}{6} \div \frac{7}{4} \div \frac{10}{3} \\ = \frac{1}{5}$$

$$6. \frac{7}{5} \times \frac{5}{3} \times \frac{7}{3} \\ = \frac{49}{9} = 5\frac{4}{9}$$

$$11. \frac{9}{5} \div \frac{5}{4} \div \frac{9}{8} \\ = \frac{32}{25} = 1\frac{7}{25}$$

$$2. \frac{23}{5} \times \frac{1}{3} \div \frac{4}{3} \\ = \frac{23}{20} = 1\frac{3}{20}$$

$$7. \frac{4}{3} \times \frac{8}{5} \div \frac{3}{2} \\ = \frac{64}{45} = 1\frac{19}{45}$$

$$12. \frac{7}{3} \times \frac{15}{2} \times \frac{14}{5} \\ = 49$$

$$3. \frac{19}{6} \div \left(\frac{1}{6} \div \frac{1}{9}\right) \\ = \frac{19}{9} = 2\frac{1}{9}$$

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

$$13. \frac{9}{8} \div \left(\frac{3}{2} \times \frac{5}{3}\right) \\ = \frac{9}{20}$$

$$4. \frac{2}{3} \times \frac{11}{6} \div \frac{3}{4} \\ = \frac{44}{27} = 1\frac{17}{27}$$

$$9. \frac{12}{5} \div \frac{1}{8} \times \frac{5}{6} \\ = 16$$

$$14. \frac{8}{5} \times \frac{22}{3} \times \frac{15}{4} \\ = 44$$

$$5. \frac{22}{5} \div \frac{2}{5} \div \frac{1}{5} \\ = 55$$

$$10. \frac{1}{11} \div \left(\frac{1}{6} \div \frac{5}{2}\right) \\ = \frac{15}{11} = 1\frac{4}{11}$$

$$15. \frac{7}{3} \div \frac{10}{3} \times \frac{5}{2} \\ = \frac{7}{4} = 1\frac{3}{4}$$

Multiplying and Dividing Fractions (I)

Find the value of each expression in lowest terms.

1. $\frac{21}{4} \times \frac{4}{3} \times \frac{11}{3}$

6. $\frac{7}{2} \div \left(\frac{6}{5} \times \frac{5}{2}\right)$

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

2. $\frac{13}{5} \times \frac{5}{12} \times \frac{5}{3}$

7. $\frac{13}{10} \times \frac{8}{3} \div \frac{12}{5}$

12. $\frac{14}{3} \times \frac{3}{2} \div \frac{19}{12}$

3. $\frac{13}{10} \times \frac{4}{3} \div \frac{2}{5}$

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

13. $\frac{1}{6} \div \frac{2}{3} \times \frac{23}{4}$

4. $\frac{21}{8} \times \frac{2}{3} \div \frac{1}{3}$

9. $\frac{7}{9} \div \frac{11}{6} \div \frac{7}{4}$

14. $\frac{16}{3} \times \frac{5}{4} \div \frac{1}{6}$

5. $\frac{17}{3} \div \left(\frac{17}{10} \div \frac{17}{2}\right)$

10. $\frac{11}{6} \times \frac{4}{11} \div \frac{4}{11}$

15. $\frac{11}{7} \div \frac{11}{6} \times \frac{11}{9}$

Multiplying and Dividing Fractions (I) Answers

Find the value of each expression in lowest terms.

$$1. \frac{21}{4} \times \frac{4}{3} \times \frac{11}{3} \\ = \frac{77}{3} = 25\frac{2}{3}$$

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

$$11. \frac{1}{6} \times \frac{4}{3} \times \frac{5}{3} \\ = \frac{10}{27}$$

$$2. \frac{13}{5} \times \frac{5}{12} \times \frac{5}{3} \\ = \frac{65}{36} = 1\frac{29}{36}$$

$$7. \frac{13}{10} \times \frac{8}{3} \div \frac{12}{5} \\ = \frac{13}{9} = 1\frac{4}{9}$$

$$12. \frac{14}{3} \times \frac{3}{2} \div \frac{19}{12} \\ = \frac{84}{19} = 4\frac{8}{19}$$

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

$$8. \frac{11}{4} \times \frac{7}{3} \times \frac{2}{3} \\ = \frac{77}{18} = 4\frac{5}{18}$$

$$13. \frac{1}{6} \div \frac{2}{3} \times \frac{23}{4} \\ = \frac{23}{16} = 1\frac{7}{16}$$

$$4. \frac{21}{8} \times \frac{2}{3} \div \frac{1}{3} \\ = \frac{21}{4} = 5\frac{1}{4}$$

$$9. \frac{7}{9} \div \frac{11}{6} \div \frac{7}{4} \\ = \frac{8}{33}$$

$$14. \frac{16}{3} \times \frac{5}{4} \div \frac{1}{6} \\ = 40$$

$$5. \frac{17}{3} \div \left(\frac{17}{10} \div \frac{17}{2}\right) \\ = \frac{85}{3} = 28\frac{1}{3}$$

$$10. \frac{11}{6} \times \frac{4}{11} \div \frac{4}{11} \\ = \frac{11}{6} = 1\frac{5}{6}$$

$$15. \frac{11}{7} \div \frac{11}{6} \times \frac{11}{9} \\ = \frac{22}{21} = 1\frac{1}{21}$$

Multiplying and Dividing Fractions (J)

Find the value of each expression in lowest terms.

1. $\frac{4}{3} \div \left(\frac{19}{12} \div \frac{15}{8} \right)$

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

11. $\frac{20}{11} \times \frac{1}{5} \times \frac{3}{2}$

2. $\frac{21}{5} \times \frac{5}{4} \div \frac{1}{6}$

7. $\frac{7}{6} \div \left(\frac{7}{6} \times \frac{2}{3} \right)$

12. $\frac{3}{2} \div \left(\frac{21}{5} \div \frac{11}{10} \right)$

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

8. $\frac{3}{7} \times \frac{5}{6} \times \frac{20}{7}$

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

4. $\frac{19}{5} \div \frac{3}{4} \div \frac{1}{5}$

9. $\frac{1}{6} \div \left(\frac{3}{5} \times \frac{19}{9} \right)$

14. $\frac{1}{10} \times \frac{1}{2} \times \frac{15}{7}$

5. $\frac{1}{3} \div \left(\frac{8}{7} \times \frac{7}{12} \right)$

10. $\frac{1}{5} \div \left(\frac{3}{11} \times \frac{22}{9} \right)$

15. $\frac{13}{5} \div \frac{8}{5} \times \frac{1}{3}$

Multiplying and Dividing Fractions (J) Answers

Find the value of each expression in lowest terms.

$$1. \frac{4}{3} \div \left(\frac{19}{12} \div \frac{15}{8} \right) \\ = \frac{30}{19} = 1\frac{11}{19}$$

$$6. \frac{7}{5} \times \frac{11}{2} \div \frac{1}{2} \\ = \frac{77}{5} = 15\frac{2}{5}$$

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

$$2. \frac{21}{5} \times \frac{5}{4} \div \frac{1}{6} \\ = \frac{63}{2} = 31\frac{1}{2}$$

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

$$12. \frac{3}{2} \div \left(\frac{21}{5} \div \frac{11}{10} \right) \\ = \frac{11}{28}$$

$$3. \frac{3}{4} \times \frac{11}{5} \times \frac{6}{11} \\ = \frac{9}{10}$$

$$8. \frac{3}{7} \times \frac{5}{6} \times \frac{20}{7} \\ = \frac{50}{49} = 1\frac{1}{49}$$

$$13. \frac{1}{2} \times \frac{8}{3} \times \frac{2}{3} \\ = \frac{8}{9}$$

$$4. \frac{19}{5} \div \frac{3}{4} \div \frac{1}{5} \\ = \frac{76}{3} = 25\frac{1}{3}$$

$$9. \frac{1}{6} \div \left(\frac{3}{5} \times \frac{19}{9} \right) \\ = \frac{5}{38}$$

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

$$5. \frac{1}{3} \div \left(\frac{8}{7} \times \frac{7}{12} \right) \\ = \frac{1}{2}$$

$$10. \frac{1}{5} \div \left(\frac{3}{11} \times \frac{22}{9} \right) \\ = \frac{3}{10}$$

$$15. \frac{13}{5} \div \frac{8}{5} \times \frac{1}{3} \\ = \frac{13}{24}$$