

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.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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