

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.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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