

Multiplying and Dividing Mixed Fractions (J)

Find the value of each expression in lowest terms.

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

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

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

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

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

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

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

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

13. $4\frac{4}{5} \div 1\frac{10}{11}$

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

9. $2\frac{6}{7} \div 1\frac{1}{3}$

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

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

10. $2\frac{4}{5} \div 1\frac{7}{10}$

15. $4\frac{1}{4} \div 1\frac{1}{4}$

Multiplying and Dividing Mixed Fractions (J) Answers

Find the value of each expression in lowest terms.

$$\begin{aligned} 1. \quad & 2\frac{1}{10} \times 1\frac{7}{9} \\ & = \frac{56}{15} = 3\frac{11}{15} \end{aligned}$$

$$\begin{aligned} 6. \quad & 1\frac{4}{5} \times 1\frac{1}{2} \\ & = \frac{27}{10} = 2\frac{7}{10} \end{aligned}$$

$$\begin{aligned} 11. \quad & 3\frac{1}{2} \times 4\frac{2}{5} \\ & = \frac{77}{5} = 15\frac{2}{5} \end{aligned}$$

$$\begin{aligned} 2. \quad & 2\frac{3}{4} \times 2\frac{4}{7} \\ & = \frac{99}{14} = 7\frac{1}{14} \end{aligned}$$

$$\begin{aligned} 7. \quad & 2\frac{4}{5} \times 2\frac{3}{7} \\ & = \frac{34}{5} = 6\frac{4}{5} \end{aligned}$$

$$\begin{aligned} 12. \quad & 2\frac{2}{11} \times 1\frac{2}{3} \\ & = \frac{40}{11} = 3\frac{7}{11} \end{aligned}$$

$$\begin{aligned} 3. \quad & 1\frac{1}{9} \times 2\frac{1}{10} \\ & = \frac{7}{3} = 2\frac{1}{3} \end{aligned}$$

$$\begin{aligned} 8. \quad & 4\frac{1}{3} \div 2\frac{2}{5} \\ & = \frac{65}{36} = 1\frac{29}{36} \end{aligned}$$

$$\begin{aligned} 13. \quad & 4\frac{4}{5} \div 1\frac{10}{11} \\ & = \frac{88}{35} = 2\frac{18}{35} \end{aligned}$$

$$\begin{aligned} 4. \quad & 3\frac{3}{5} \div 1\frac{1}{2} \\ & = \frac{12}{5} = 2\frac{2}{5} \end{aligned}$$

$$\begin{aligned} 9. \quad & 2\frac{6}{7} \div 1\frac{1}{3} \\ & = \frac{15}{7} = 2\frac{1}{7} \end{aligned}$$

$$\begin{aligned} 14. \quad & 3\frac{5}{6} \div 1\frac{1}{3} \\ & = \frac{23}{8} = 2\frac{7}{8} \end{aligned}$$

$$\begin{aligned} 5. \quad & 2\frac{6}{7} \div 2\frac{1}{2} \\ & = \frac{8}{7} = 1\frac{1}{7} \end{aligned}$$

$$\begin{aligned} 10. \quad & 2\frac{4}{5} \div 1\frac{7}{10} \\ & = \frac{28}{17} = 1\frac{11}{17} \end{aligned}$$

$$\begin{aligned} 15. \quad & 4\frac{1}{4} \div 1\frac{1}{4} \\ & = \frac{17}{5} = 3\frac{2}{5} \end{aligned}$$