

## 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.

$$1. \frac{23}{8} \times \frac{16}{9} \times \frac{1}{2} \\ = \frac{23}{9} = 2\frac{5}{9}$$

$$6. \frac{8}{5} \times \frac{3}{10} \div \frac{1}{2} \\ = \frac{24}{25}$$

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

$$2. \frac{11}{5} \times \frac{5}{4} \times \frac{12}{5} \\ = \frac{33}{5} = 6\frac{3}{5}$$

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

$$12. \frac{24}{5} \times \frac{9}{4} \div \frac{3}{2} \\ = \frac{36}{5} = 7\frac{1}{5}$$

$$3. \frac{9}{2} \times \frac{13}{3} \times \frac{7}{3} \\ = \frac{91}{2} = 45\frac{1}{2}$$

$$8. \frac{7}{2} \times \frac{13}{9} \times \frac{15}{7} \\ = \frac{65}{6} = 10\frac{5}{6}$$

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

$$4. \frac{1}{5} \div \frac{1}{6} \div \frac{7}{2} \\ = \frac{12}{35}$$

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

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

$$5. \frac{12}{5} \times \frac{11}{4} \times \frac{4}{9} \\ = \frac{44}{15} = 2\frac{14}{15}$$

$$10. \frac{7}{3} \div \frac{6}{7} \times \frac{3}{2} \\ = \frac{49}{12} = 4\frac{1}{12}$$

$$15. \frac{15}{7} \times \frac{11}{4} \times \frac{7}{11} \\ = \frac{15}{4} = 3\frac{3}{4}$$