

## Multiplying and Dividing Mixed Fractions

Find the value of each expression in lowest terms.

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

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

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

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

7.  $2\frac{5}{7} \div (1\frac{8}{11} \times 1\frac{2}{3})$

12.  $2\frac{1}{4} \times 1\frac{4}{11} \div 1\frac{1}{8}$

3.  $1\frac{1}{3} \times 1\frac{5}{7} \div 1\frac{3}{4}$

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

13.  $6\frac{2}{3} \div 3\frac{1}{3} \times 1\frac{5}{8}$

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

9.  $2\frac{3}{4} \div (1\frac{1}{9} \div 2\frac{1}{2})$

14.  $1\frac{2}{9} \div 2\frac{1}{2} \times 1\frac{7}{8}$

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

10.  $2\frac{1}{2} \times 2\frac{4}{7} \times 1\frac{1}{9}$

15.  $5\frac{1}{2} \div (1\frac{1}{2} \times 1\frac{1}{10})$

## Multiplying and Dividing Mixed Fractions Answers

Find the value of each expression in lowest terms.

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

$$6. 4\frac{1}{2} \times 3\frac{3}{4} \times 2\frac{2}{3} \\ = 45$$

$$11. 1\frac{4}{5} \div 4\frac{1}{2} \times 1\frac{2}{7} \\ = \frac{18}{35}$$

$$2. 3\frac{1}{2} \times 1\frac{1}{7} \div 1\frac{1}{4} \\ = \frac{16}{5} = 3\frac{1}{5}$$

$$7. 2\frac{5}{7} \div (1\frac{8}{11} \times 1\frac{2}{3}) \\ = \frac{33}{35}$$

$$12. 2\frac{1}{4} \times 1\frac{4}{11} \div 1\frac{1}{8} \\ = \frac{30}{11} = 2\frac{8}{11}$$

$$3. 1\frac{1}{3} \times 1\frac{5}{7} \div 1\frac{3}{4} \\ = \frac{64}{49} = 1\frac{15}{49}$$

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

$$13. 6\frac{2}{3} \div 3\frac{1}{3} \times 1\frac{5}{9} \\ = \frac{28}{9} = 3\frac{1}{9}$$

$$4. 1\frac{1}{4} \times 10\frac{1}{2} \div 1\frac{1}{2} \\ = \frac{35}{4} = 8\frac{3}{4}$$

$$9. 2\frac{3}{4} \div (1\frac{1}{9} \div 2\frac{1}{2}) \\ = \frac{99}{16} = 6\frac{3}{16}$$

$$14. 1\frac{2}{9} \div 2\frac{1}{2} \times 1\frac{7}{8} \\ = \frac{11}{12}$$

$$5. 1\frac{3}{4} \div (3\frac{2}{3} \div 3\frac{1}{3}) \\ = \frac{35}{22} = 1\frac{13}{22}$$

$$10. 2\frac{1}{2} \times 2\frac{4}{7} \times 1\frac{1}{9} \\ = \frac{50}{7} = 7\frac{1}{7}$$

$$15. 5\frac{1}{2} \div (1\frac{1}{2} \times 1\frac{1}{10}) \\ = \frac{10}{3} = 3\frac{1}{3}$$