

Multiplying and Dividing Fractions (A)

Find the value of each expression in lowest terms.

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

6. $\frac{3}{4} \times \frac{9}{4} \div \frac{5}{2}$

11. $\frac{24}{7} \div \left(\frac{16}{5} \div \frac{3}{5}\right)$

2. $\frac{4}{3} \div \frac{20}{3} \times \frac{11}{9}$

7. $\frac{13}{12} \times \frac{11}{4} \div \frac{13}{6}$

12. $\frac{8}{3} \times \frac{4}{3} \div \frac{20}{7}$

3. $\frac{23}{12} \div \left(\frac{4}{3} \times \frac{13}{8}\right)$

8. $\frac{5}{2} \div \left(\frac{13}{6} \div \frac{19}{9}\right)$

13. $\frac{11}{5} \div \left(\frac{5}{2} \div \frac{7}{2}\right)$

4. $\frac{11}{8} \div \left(\frac{21}{5} \times \frac{5}{6}\right)$

9. $\frac{7}{8} \times \frac{4}{3} \div \frac{2}{5}$

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

5. $\frac{18}{11} \times \frac{11}{3} \div \frac{16}{5}$

10. $\frac{10}{3} \times \frac{2}{9} \times \frac{6}{5}$

15. $\frac{1}{7} \times \frac{9}{4} \times \frac{17}{9}$

Multiplying and Dividing Fractions (A) Answers

Find the value of each expression in lowest terms.

$$1. \frac{5}{4} \times \frac{7}{2} \times \frac{1}{7} \\ = \frac{5}{8}$$

$$6. \frac{3}{4} \times \frac{9}{4} \div \frac{5}{2} \\ = \frac{27}{40}$$

$$11. \frac{24}{7} \div \left(\frac{16}{5} \div \frac{3}{5} \right) \\ = \frac{9}{14}$$

$$2. \frac{4}{3} \div \frac{20}{3} \times \frac{11}{9} \\ = \frac{11}{45}$$

$$7. \frac{13}{12} \times \frac{11}{4} \div \frac{13}{6} \\ = \frac{11}{8} = 1\frac{3}{8}$$

$$12. \frac{8}{3} \times \frac{4}{3} \div \frac{20}{7} \\ = \frac{56}{45} = 1\frac{11}{45}$$

$$3. \frac{23}{12} \div \left(\frac{4}{3} \times \frac{13}{8} \right) \\ = \frac{23}{26}$$

$$8. \frac{5}{2} \div \left(\frac{13}{6} \div \frac{19}{9} \right) \\ = \frac{95}{39} = 2\frac{17}{39}$$

$$13. \frac{11}{5} \div \left(\frac{5}{2} \div \frac{7}{2} \right) \\ = \frac{77}{25} = 3\frac{2}{25}$$

$$4. \frac{11}{8} \div \left(\frac{21}{5} \times \frac{5}{6} \right) \\ = \frac{11}{28}$$

$$9. \frac{7}{8} \times \frac{4}{3} \div \frac{2}{5} \\ = \frac{35}{12} = 2\frac{11}{12}$$

$$14. \frac{2}{3} \times \frac{4}{3} \div \frac{5}{8} \\ = \frac{64}{45} = 1\frac{19}{45}$$

$$5. \frac{18}{11} \times \frac{11}{3} \div \frac{16}{5} \\ = \frac{15}{8} = 1\frac{7}{8}$$

$$10. \frac{10}{3} \times \frac{2}{9} \times \frac{6}{5} \\ = \frac{8}{9}$$

$$15. \frac{1}{7} \times \frac{9}{4} \times \frac{17}{9} \\ = \frac{17}{28}$$