

Multiplying and Dividing Fractions (H)

Find the value of each expression in lowest terms.

1. $\frac{7}{6} \div \frac{7}{4} \div \frac{10}{3}$

6. $\frac{7}{5} \times \frac{5}{3} \times \frac{7}{3}$

11. $\frac{9}{5} \div \frac{5}{4} \div \frac{9}{8}$

2. $\frac{23}{5} \times \frac{1}{3} \div \frac{4}{3}$

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

12. $\frac{7}{3} \times \frac{15}{2} \times \frac{14}{5}$

3. $\frac{19}{6} \div \left(\frac{1}{6} \div \frac{1}{9}\right)$

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

13. $\frac{9}{8} \div \left(\frac{3}{2} \times \frac{5}{3}\right)$

4. $\frac{2}{3} \times \frac{11}{6} \div \frac{3}{4}$

9. $\frac{12}{5} \div \frac{1}{8} \times \frac{5}{6}$

14. $\frac{8}{5} \times \frac{22}{3} \times \frac{15}{4}$

5. $\frac{22}{5} \div \frac{2}{5} \div \frac{1}{5}$

10. $\frac{1}{11} \div \left(\frac{1}{6} \div \frac{5}{2}\right)$

15. $\frac{7}{3} \div \frac{10}{3} \times \frac{5}{2}$

Multiplying and Dividing Fractions (H) Answers

Find the value of each expression in lowest terms.

$$1. \frac{7}{6} \div \frac{7}{4} \div \frac{10}{3} \\ = \frac{1}{5}$$

$$6. \frac{7}{5} \times \frac{5}{3} \times \frac{7}{3} \\ = \frac{49}{9} = 5\frac{4}{9}$$

$$11. \frac{9}{5} \div \frac{5}{4} \div \frac{9}{8} \\ = \frac{32}{25} = 1\frac{7}{25}$$

$$2. \frac{23}{5} \times \frac{1}{3} \div \frac{4}{3} \\ = \frac{23}{20} = 1\frac{3}{20}$$

$$7. \frac{4}{3} \times \frac{8}{5} \div \frac{3}{2} \\ = \frac{64}{45} = 1\frac{19}{45}$$

$$12. \frac{7}{3} \times \frac{15}{2} \times \frac{14}{5} \\ = 49$$

$$3. \frac{19}{6} \div \left(\frac{1}{6} \div \frac{1}{9}\right) \\ = \frac{19}{9} = 2\frac{1}{9}$$

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

$$13. \frac{9}{8} \div \left(\frac{3}{2} \times \frac{5}{3}\right) \\ = \frac{9}{20}$$

$$4. \frac{2}{3} \times \frac{11}{6} \div \frac{3}{4} \\ = \frac{44}{27} = 1\frac{17}{27}$$

$$9. \frac{12}{5} \div \frac{1}{8} \times \frac{5}{6} \\ = 16$$

$$14. \frac{8}{5} \times \frac{22}{3} \times \frac{15}{4} \\ = 44$$

$$5. \frac{22}{5} \div \frac{2}{5} \div \frac{1}{5} \\ = 55$$

$$10. \frac{1}{11} \div \left(\frac{1}{6} \div \frac{5}{2}\right) \\ = \frac{15}{11} = 1\frac{4}{11}$$

$$15. \frac{7}{3} \div \frac{10}{3} \times \frac{5}{2} \\ = \frac{7}{4} = 1\frac{3}{4}$$