Dividing Fractions

Find the value of each expression in lowest terms.

1. $\dfrac{1}{4} \div \left(\dfrac{9}{10} \div \dfrac{8}{9} \right)$

4. $\dfrac{13}{9} \div \left(\dfrac{13}{3} \div \dfrac{16}{7} \right)$

7. $\dfrac{3}{4} \div \dfrac{9}{2} \div \dfrac{19}{8}$

2. $\dfrac{9}{7} \div \left(\dfrac{16}{5} \div \dfrac{7}{5} \right)$

5. $\dfrac{2}{9} \div \dfrac{13}{9} \div \dfrac{7}{5}$

8. $\dfrac{1}{2} \div \dfrac{3}{2} \div \dfrac{4}{3}$

3. $\dfrac{4}{3} \div \dfrac{2}{3} \div \dfrac{16}{3}$

6. $\dfrac{10}{3} \div \left(\dfrac{9}{4} \div \dfrac{3}{7} \right)$

9. $\dfrac{4}{3} \div \dfrac{5}{3} \div \dfrac{12}{5}$

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Dividing Fractions Answers

Find the value of each expression in lowest terms.

1. $\dfrac{1}{4} \div \left(\dfrac{9}{10} \div \dfrac{8}{9} \right)$

    $= \dfrac{20}{81}$

4. $\dfrac{13}{9} \div \left(\dfrac{13}{3} \div \dfrac{16}{7} \right)$

    $= \dfrac{16}{21}$

7. $\dfrac{3}{4} \div \dfrac{9}{2} \div \dfrac{19}{8}$

    $= \dfrac{4}{57}$

2. $\dfrac{9}{7} \div \left(\dfrac{16}{5} \div \dfrac{7}{5} \right)$

    $= \dfrac{9}{16}$

5. $\dfrac{2}{9} \div \dfrac{13}{9} \div \dfrac{7}{5}$

    $= \dfrac{10}{91}$

8. $\dfrac{1}{2} \div \dfrac{3}{2} \div \dfrac{4}{3}$

    $= \dfrac{1}{4}$

3. $\dfrac{4}{3} \div \dfrac{2}{3} \div \dfrac{16}{3}$

    $= \dfrac{3}{8}$

6. $\dfrac{10}{3} \div \left(\dfrac{9}{4} \div \dfrac{3}{7} \right)$

    $= \dfrac{40}{63}$

9. $\dfrac{4}{3} \div \dfrac{5}{3} \div \dfrac{12}{5}$

    $= \dfrac{1}{3}$

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