

Dividing Fractions

Procedure:

1. Make sure the fractions are proper or improper.
2. Invert the divisor.
3. Cancel, if possible.
4. Multiply numerators.
5. Multiply denominators.
6. Simplify.

Example:

$$\begin{aligned} 2\frac{2}{3} \div \frac{1}{4} \\ \frac{8}{3} \div \frac{1}{4} &= \frac{8}{3} \times \frac{4}{1} \\ &= \frac{32}{3} \\ &= 10\frac{2}{3} \end{aligned}$$

Divide the following fractions.

1. $\frac{2}{3} \div \frac{1}{5}$

2. $\frac{4}{9} \div \frac{2}{7}$

3. $\frac{3}{4} \div \frac{7}{12}$

4. $\frac{3}{5} \div \frac{4}{9}$

5. $2\frac{1}{4} \div \frac{1}{6}$

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

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

8. $\frac{7}{8} \div \frac{1}{9}$

9. $5 \div \frac{2}{5}$

10. $\frac{10}{21} \div \frac{1}{3}$

11. $3\frac{1}{2} \div \frac{3}{4}$

12. $\frac{7}{10} \div \frac{4}{15}$

13. $2\frac{4}{7} \div \frac{9}{11}$

14. $3\frac{1}{5} \div 2\frac{1}{2}$

15. $4\frac{2}{3} \div 1\frac{3}{4}$

