

# Division of fraction

## Worked Out Example

Steps Involved	Example	Remark
1) Check whether there is mixed fraction or not.	$4 \frac{1}{6} \div \frac{5}{12}$	Yes $4 \frac{1}{6}$ is mixed fraction.
2) If any, convert mixed fraction into improper fraction.	$\frac{25}{6} \div \frac{5}{12}$	$(4 \times 6 + 1)/6$ and other terms remains same.
3) Keep the first fraction same, Change the $\div$ sign to $\times$ sign, and Flip the next fraction after changing the sign.	$\frac{25}{6} \times \frac{12}{5}$	Keep Change Flip
4) Now simplify and write the answer into the simplest form.	$\frac{5}{2} \times \frac{2}{1}$	$\frac{5}{2} \times \frac{12}{5} = 1$ We can divide numerator (25) and denominator (5) by 5
5) Times the numerator and times the denominators.	$\frac{5 \times 2}{1 \times 1} = 10$	

Divide the following fractions.

1.  $\frac{15}{27} \div \frac{5}{12} =$  \_\_\_\_\_

2.  $\frac{21}{45} \div \frac{7}{30} =$  \_\_\_\_\_

3.  $\frac{25}{30} \div \frac{5}{25} =$  \_\_\_\_\_

4.  $\frac{10}{18} \div \frac{50}{90} =$  \_\_\_\_\_

5.  $\frac{210}{400} \div \frac{700}{800} =$  \_\_\_\_\_

6.  $3 \frac{1}{5} \div 3 \frac{2}{10} =$  \_\_\_\_\_

7.  $2 \frac{1}{6} \div 6 \frac{1}{2} =$  \_\_\_\_\_

8.  $40 \frac{1}{3} \div 1 \frac{2}{9} =$  \_\_\_\_\_

9.  $3 \frac{1}{9} \div 4 \frac{1}{5} =$  \_\_\_\_\_

10.  $8 \frac{1}{3} \div 3 \frac{1}{3} =$  \_\_\_\_\_