

# Simplify Fractions Using the Highest Common Factor

Simplify these fractions into the simplest form,  
writing the highest common factor in the table. The first one is done for you.

Fraction	Highest Common Factor	Simplified Fraction
$\frac{4}{12}$	4	$\frac{1}{3}$
$\frac{3}{9}$		
$\frac{6}{8}$		
$\frac{10}{15}$		
$\frac{8}{14}$		
$\frac{10}{12}$		
$\frac{6}{18}$		
$\frac{9}{18}$		
$\frac{12}{16}$		
$\frac{6}{15}$		
$\frac{8}{24}$		
$\frac{6}{21}$		
$\frac{15}{25}$		
$\frac{12}{32}$		
$\frac{9}{45}$		
$\frac{21}{28}$		

Fraction	Highest Common Factor	Simplified Fraction
$\frac{16}{20}$		
$\frac{15}{18}$		
$\frac{18}{32}$		
$\frac{24}{32}$		
$\frac{15}{35}$		
$\frac{14}{22}$		
$\frac{6}{27}$		
$\frac{36}{63}$		
$\frac{15}{21}$		
$\frac{24}{48}$		
$\frac{50}{75}$		
$\frac{45}{75}$		
$\frac{24}{52}$		
$\frac{8}{44}$		
$\frac{35}{49}$		
$\frac{48}{84}$		

# Simplify Fractions Using the Highest Common Factor **Answers**

Fraction	Highest Common Factor	Simplified Fraction
$\frac{4}{12}$	4	$\frac{1}{3}$
$\frac{3}{9}$	3	$\frac{1}{3}$
$\frac{6}{8}$	2	$\frac{3}{4}$
$\frac{10}{15}$	5	$\frac{2}{3}$
$\frac{8}{14}$	2	$\frac{4}{7}$
$\frac{10}{12}$	2	$\frac{5}{6}$
$\frac{6}{18}$	6	$\frac{1}{3}$
$\frac{9}{18}$	9	$\frac{1}{2}$
$\frac{12}{16}$	4	$\frac{3}{4}$
$\frac{6}{15}$	3	$\frac{2}{5}$
$\frac{8}{24}$	8	$\frac{1}{3}$
$\frac{6}{21}$	3	$\frac{2}{7}$
$\frac{15}{25}$	5	$\frac{3}{5}$
$\frac{12}{32}$	4	$\frac{3}{8}$
$\frac{9}{45}$	9	$\frac{1}{5}$
$\frac{21}{28}$	7	$\frac{3}{4}$

Fraction	Highest Common Factor	Simplified Fraction
$\frac{16}{20}$	4	$\frac{4}{5}$
$\frac{15}{18}$	3	$\frac{5}{6}$
$\frac{18}{32}$	2	$\frac{9}{16}$
$\frac{24}{32}$	8	$\frac{3}{4}$
$\frac{15}{35}$	5	$\frac{3}{7}$
$\frac{14}{22}$	2	$\frac{7}{11}$
$\frac{6}{27}$	3	$\frac{2}{9}$
$\frac{36}{63}$	9	$\frac{4}{7}$
$\frac{15}{21}$	3	$\frac{5}{7}$
$\frac{24}{48}$	24	$\frac{1}{2}$
$\frac{50}{75}$	25	$\frac{2}{3}$
$\frac{45}{75}$	15	$\frac{3}{5}$
$\frac{24}{52}$	4	$\frac{6}{13}$
$\frac{8}{44}$	4	$\frac{2}{11}$
$\frac{35}{49}$	7	$\frac{5}{7}$
$\frac{48}{84}$	12	$\frac{4}{7}$