


# Algebraic Fractions


**Algebraic fractions** are fractions that contain at least one variable.

## Examples


$$\frac{x}{12}$$

  $x$  is the numerator



$$\frac{3}{b+1}$$

The denominator is  
an expression in  
terms of  $b$   




$$\frac{2y}{15}$$

 The numerator is a  
multiple of  $y$



$$\frac{x+1}{2x}$$

  
 Both the numerator and the  
denominator contain  
an  $x$  term

$$\frac{3h+4}{2h-5}$$

  
 Both the numerator and the  
denominator contain  
an expression with  $h$

$$\frac{(3x+4)^2}{x^2-9}$$

  
 The numerator and the  
denominator are  
quadratic expressions