

# Pixel Picture

# Simplifying Algebraic Fractions

$\frac{2xy}{y}$	$\frac{6x^2}{3x}$	$\frac{10xyz}{5yz}$	$\frac{4x}{2}$	$\frac{xy}{2y}$	$\frac{4x^2}{xy}$	$\frac{8x^3}{4x^2}$	$\frac{6x^2y}{3xy}$	$\frac{20x}{10}$
$\frac{2x^2}{x}$	$\frac{4xy}{2y}$	$\frac{6x}{3}$	$\frac{2x^2y^2}{xy^2}$	$\frac{4x^2}{8x}$	$\frac{12x}{3y}$	$\frac{8xy^2}{2y^3}$	$\frac{10xy}{5y}$	$\frac{4x^2}{2x}$
$\frac{8x^2y}{4xy}$	$\frac{2xz^2}{z^2}$	$\frac{4x^3}{2x^2}$	$\frac{2x^2y^3}{xy^3}$	$\frac{3x^3y}{6x^2y}$	$\frac{4x^3y}{x^2y^2}$	$\frac{20xz}{5yz}$	$\frac{16x}{4y}$	$\frac{6xy^3}{3y^3}$
$\frac{2xy^3}{y^3}$	$\frac{12xy}{6y}$	$\frac{6x^3y}{3x^2y}$	$\frac{18x^3}{9x^2}$	$\frac{xyz}{2yz}$	$\frac{10x^2}{5x}$	$\frac{4xz^2}{2z^2}$	$\frac{20x^3}{10x^2}$	$\frac{8x}{4}$
$\frac{10x}{5}$	$\frac{4xy}{x^2y}$	$\frac{12y}{3xy}$	$\frac{4x^2}{x^3}$	$\frac{40z}{10xz}$	$\frac{8}{2x}$	$\frac{4x}{x^2}$	$\frac{24xy}{6x^2y}$	$\frac{2x^3y}{x^2y}$
$\frac{4x^2y^2}{2xy^2}$	$\frac{16x^2}{8x}$	$\frac{8}{2x}$	$\frac{4x}{x^2}$	$\frac{20x^2}{5x^3}$	$\frac{12xy}{3x^2y}$	$\frac{4y}{xy}$	$\frac{8xz^2}{4z^2}$	$\frac{6xy}{3y}$
$\frac{y^2}{4y}$	$\frac{xy}{4x}$	$\frac{5x^2y}{20x^2}$	$\frac{3xy}{12x}$	$\frac{2y}{8}$	$\frac{x^2y}{4x^2}$	$\frac{4y^3}{16y^2}$	$\frac{10y}{40}$	$\frac{2xy}{8x}$

	Colour black all the algebraic fractions that simplify to $\frac{x}{2}$		Colour dark blue all the algebraic fractions that simplify to $\frac{y}{4}$
	Colour light blue all the algebraic fractions that simplify to $2x$		Colour brown all the algebraic fractions that simplify to $\frac{4}{x}$
	Colour red all the algebraic fractions that simplify to $\frac{4x}{y}$		