Fill In The Blanks...

More Direct Proportion

General Statement	General Equation	Table of Values	Value of k	Specific Equation
$y \propto x^3$	$y = kx^3$	x: 1, 2, 4 y: 3, 24, 192	$k = 3$	$y = 3x^3$
$y \propto \sqrt{x}$	$y = k\sqrt{x}$	x: 1, 4, 25 y: 12, 24, 60	$k = 12$	$y = 12\sqrt{x}$
$y \propto x$	$y = kx$	x: 1, 4, 10 y: 0.75, 3, 7.5	$k = 0.75$	$y = 0.75\,x$
$y \propto \sqrt[3]{x}$	$y = k\sqrt[3]{x}$	x: 1, 8, 125 y: 10, 20, 50	$k = 10$	$y = 10\sqrt[3]{x}$
$y \propto x^2$	$y = kx^2$	x: 1, 4, 10 y: 2, 32, 200	$k = 2$	$y = 2x^2$
$y \propto \sqrt{x}$	$y = k\sqrt{x}$	x: 1, 4, 25 y: 1.5, 3, 7.5	$k = 1.5$	$y = 1.5\sqrt{x}$
$y \propto x^2$	$y = kx^2$	x: 1, 4, 6 y: $\frac{2}{3}$, $\frac{32}{3}$, 24	$k = \frac{2}{3}$	$y = \frac{2}{3}x^2$
$y \propto x^3$	$y = kx^3$	x: 2, $\sqrt{5}$, 3 y: $8\sqrt{5}$, 25, $27\sqrt{5}$	$k = \sqrt{5}$	$y = \sqrt{5}x^3$
$y \propto \sqrt[3]{x}$	$y = k\sqrt[3]{x}$	x: 1, 8, 64 y: a, $2a$, $4a$	$k = a$	$y = a\sqrt[3]{x}$