Fill In The Blanks...

Inverse Proportion

General Statement	General Equation	Table of Values			Value of k	Specific Equation	When $x = 6$, $y =?$	When $y = 10$, $x =?$
$y \propto \dfrac{1}{x}$	$y = \dfrac{k}{x}$	x: 1, 4, 8 y: 48, ,			$k = 48$	$y = \dfrac{48}{x}$	$y = \dfrac{48}{6} = 8$	$x = \dfrac{48}{10} = 4.8$
$y \propto \dfrac{1}{x}$	$y = \dfrac{k}{x}$	x: 1, 2, 5 y: 120, , 24						$x = \dfrac{120}{10} = 12$
		x: 1, 5, 10 y: , ,				$y = \dfrac{30}{x}$		$x = \dfrac{30}{10} = 3$
$y \propto \dfrac{1}{x}$		x: 5, 20, 100 y: , 30,						
$y \propto \dfrac{k}{x^2}$	$y = \dfrac{k}{x^2}$	x: 1, 2, 3 y: , , 4			$k = 36$			$x = \dfrac{36}{10^2} = 0.36$
$y \propto \dfrac{k}{x^2}$		x: 1, 2, 10 y: , , 3						
		x: 1, 5, 10 y: , 4,			$k = 20$			