



Fill In The Blanks...



More Direct Proportion

General Statement	General Equation	Table of Values	Value of k	Specific Equation								
$y \propto x^3$	$y = kx^3$	<table border="1"> <tr> <td>x</td> <td>1</td> <td>2</td> <td>4</td> </tr> <tr> <td>y</td> <td>3</td> <td></td> <td></td> </tr> </table>	x	1	2	4	y	3			$k = 3$	
x	1	2	4									
y	3											
$y \propto \sqrt{x}$		<table border="1"> <tr> <td>x</td> <td>1</td> <td>4</td> <td>25</td> </tr> <tr> <td>y</td> <td></td> <td>24</td> <td></td> </tr> </table>	x	1	4	25	y		24			
x	1	4	25									
y		24										
$y \propto x$		<table border="1"> <tr> <td>x</td> <td>1</td> <td>4</td> <td>10</td> </tr> <tr> <td>y</td> <td></td> <td>3</td> <td></td> </tr> </table>	x	1	4	10	y		3			
x	1	4	10									
y		3										
	$y = k\sqrt[3]{x}$	<table border="1"> <tr> <td>x</td> <td>1</td> <td>8</td> <td>125</td> </tr> <tr> <td>y</td> <td></td> <td>20</td> <td></td> </tr> </table>	x	1	8	125	y		20			
x	1	8	125									
y		20										
		<table border="1"> <tr> <td>x</td> <td>1</td> <td>4</td> <td>10</td> </tr> <tr> <td>y</td> <td></td> <td>32</td> <td>200</td> </tr> </table>	x	1	4	10	y		32	200		
x	1	4	10									
y		32	200									
		<table border="1"> <tr> <td>x</td> <td>1</td> <td>4</td> <td></td> </tr> <tr> <td>y</td> <td></td> <td>3</td> <td>7.5</td> </tr> </table>	x	1	4		y		3	7.5	$k = 1.5$	
x	1	4										
y		3	7.5									
		<table border="1"> <tr> <td>x</td> <td>1</td> <td>4</td> <td></td> </tr> <tr> <td>y</td> <td></td> <td>$\frac{32}{3}$</td> <td>24</td> </tr> </table>	x	1	4		y		$\frac{32}{3}$	24	$k = \frac{2}{3}$	
x	1	4										
y		$\frac{32}{3}$	24									
$y \propto x^3$		<table border="1"> <tr> <td>x</td> <td>2</td> <td>$\sqrt{5}$</td> <td></td> </tr> <tr> <td>y</td> <td></td> <td>25</td> <td>$27\sqrt{5}$</td> </tr> </table>	x	2	$\sqrt{5}$		y		25	$27\sqrt{5}$		
x	2	$\sqrt{5}$										
y		25	$27\sqrt{5}$									
		<table border="1"> <tr> <td>x</td> <td>1</td> <td>8</td> <td></td> </tr> <tr> <td>y</td> <td></td> <td>$2a$</td> <td>$4a$</td> </tr> </table>	x	1	8		y		$2a$	$4a$	$k = a$	
x	1	8										
y		$2a$	$4a$									