Fill In The Blanks…

**More Direct Proportion**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **General Statement** | **General Equation** | **Table of Values** | **Value** **of** $k$ | **Specific****Equation**  |
| $$y∝x^{3}$$ | $$y=kx^{3}$$ |

|  |  |  |  |
| --- | --- | --- | --- |
| $$x$$ | $$1$$ | $$2$$ | $$4$$ |
| $$y$$ | $$3$$ |  |  |

 | $$k=3$$ |  |
| $$y∝\sqrt{x}$$ |  |

|  |  |  |  |
| --- | --- | --- | --- |
| $$x$$ | $$1$$ | $$4$$ | $$25$$ |
| $$y$$ |  | $$24$$ |  |

 |  |  |
| $$y∝x$$ |  |

|  |  |  |  |
| --- | --- | --- | --- |
| $$x$$ | $$1$$ | $$4$$ | $$10$$ |
| $$y$$ |  | $$3$$ |  |

 |  |  |
|  | $$y=k\sqrt[3]{x}$$ |

|  |  |  |  |
| --- | --- | --- | --- |
| $$x$$ | $$1$$ | $$8$$ | $$125$$ |
| $$y$$ |  | $$20$$ |  |

 |  |  |
|  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| $$x$$ | $$1$$ | $$4$$ | $$10$$ |
| $$y$$ |  | $$32$$ | $$200$$ |

 |  |  |
|  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| $$x$$ | $$1$$ | $$4$$ |  |
| $$y$$ |  | $$3$$ | $$7.5$$ |

 | $$k=1.5$$ |  |
|  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| $$x$$ | $$1$$ | $$4$$ |  |
| $$y$$ |  | $$\frac{32}{3}$$ | $$24$$ |

 | $$k=\frac{2}{3}$$ |  |
| $$y∝x^{3}$$ |  |

|  |  |  |  |
| --- | --- | --- | --- |
| $$x$$ | $$2$$ | $$\sqrt{5}$$ |  |
| $$y$$ |  | $$25$$ | $$27\sqrt{5}$$ |

 |  |  |
|  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| $$x$$ | $$1$$ | $$8$$ |  |
| $$y$$ |  | $$2a$$ | $$4a$$ |

 | $$k=a$$ |  |