|  |  |
| --- | --- |
| **Fill in the Blanks** | **More Inverse Proportion** |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **General Statement** | **General Equation** | **Table of Values** | **Value** **of** $k$ | **Specific****Equation**  |
| $$y∝\frac{1}{x^{2}}$$ | $$y=\frac{k}{x^{2}}$$ |

|  |  |  |  |
| --- | --- | --- | --- |
| $$x$$ | $$1$$ | $$2$$ | $$5$$ |
| $$y$$ | $$100$$ |  |  |

 | $$k=100$$ |  |
| $$y∝\frac{1}{\sqrt{x}}$$ |  |

|  |  |  |  |
| --- | --- | --- | --- |
| $$x$$ | $$1$$ | $$4$$ | $$25$$ |
| $$y$$ |  | $$5$$ |  |

 |  |  |
| $$y∝\frac{1}{x^{3}}$$ |  |

|  |  |  |  |
| --- | --- | --- | --- |
| $$x$$ | $$1$$ | $$2$$ | $$10$$ |
| $$y$$ |  | $$125$$ |  |

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

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

 |  |  |
|  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| $$x$$ | $$1$$ | $$4$$ | $$10$$ |
| $$y$$ |  | $$7.5$$ | $$3$$ |

 |  |  |
|  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| $$x$$ | $$1$$ | $$2$$ |  |
| $$y$$ |  | $$0.75$$ | $$0.12$$ |

 | $$k=3$$ |  |
|  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| $$x$$ | $$1$$ | $$4$$ |  |
| $$y$$ |  | $$\frac{1}{12}$$ | $$\frac{1}{30}$$ |

 | $$k=\frac{1}{6}$$ |  |
| $$y∝\frac{1}{x^{3}}$$ |  |

|  |  |  |  |
| --- | --- | --- | --- |
| $$x$$ | $$1$$ | $$\sqrt{3}$$ | $$2$$ |
| $$y$$ |  | $$3$$ |  |

 |  |  |
|  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| $$x$$ | $$0.5$$ | $$2$$ |  |
| $$y$$ | $$4a$$ |  | $$\frac{a}{16}$$ |

 | $$k=a$$ |  |