Inverse Proportion GREEN

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| $P$ is inversely proportional to $Q$ and when $P=2$, $Q=2$. Find the value of $P$ when $Q=8$. | $T$ is inversely proportional to the square of $U$ and when $T=0.5$, $U=2$. Find the value of $U$ when $T=0.125$. |
| $R$ is inversely proportional to the square root of $S$ and when $R=1$, $S=36$. Find the value of $R$ when $S=9$. | $V$ is inversely proportional to the cube of $W$ and when $V=5$, $W=1$. Find the value of $V$ when $W=2$. |

Inverse Proportion AMBER

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| $P$ is inversely proportional to $Q$ and when $P=2$, $Q=2$. Find the value of $P$ when $Q=8$.$P=\frac{k}{Q}$  | $T$ is inversely proportional to the square of $U$ and when $T=0.5$, $U=2$. Find the value of $U$ when $T=0.125$.$T=\frac{k}{U^{2}}$  |
| $R$ is inversely proportional to the square root of $S$ and when $R=1$, $S=36$. Find the value of $R$ when $S=9$.$R=\frac{k}{\sqrt{S}}$  | $V$ is inversely proportional to the cube of $W$ and when $V=5$, $W=1$. Find the value of $V$ when $W=2$.$V=\frac{k}{W^{3}}$  |

Inverse Proportion RED

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| $P$ is inversely proportional to $Q$ and when $P=2$, $Q=2$. Find the value of $P$ when $Q=8$.$P=\frac{k}{Q}$ $P=\frac{4}{Q}$ Substitute $P=2$ and $Q=2$ $2=\frac{k}{2}$ $k=4$ $P=\frac{4}{Q}$  | $T$ is inversely proportional to the square of $U$ and when $T=0.5$, $U=2$. Find the value of $U$ when $T=0.125$.$T=\frac{k}{U^{2}}$ Substitute… |
| $R$ is inversely proportional to the square root of $S$ and when $R=1$, $S=36$. Find the value of $R$ when $S=9$.$R=\frac{k}{\sqrt{S}}$ Substitute $R=1$ and $S=36$ | $V$ is inversely proportional to the cube of $W$ and when $V=5$, $W=1$. Find the value of $V$ when $W=2$.$V=\frac{k}{W^{3}}$  |