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| Question | General Equation | Find $k$ | New Equation | Find Value using Equation |
| $A$ is directly proportional to $B$, when $A=10, B=2$.Find $A$ when $B=12$. | $$A=kB$$ | $10=k×2$ so $k=5$ | $$A=5B$$ | $$A=5×12=60$$ |
| (a) $y$ is directly proportional to $x$, when $y=55, x=5$.Find $y$ when $x=9$ |  |  |  |  |
| (b) $N$ is directly proportional to $L$, when $N=1.8, L=0.6$.Find $N$ when $L=2.5$ |  |  |  |  |
| (c) $y$ is directly proportional to $x$. If $y=5$ when $x=10$, find $y$ when $x=60$ |  |  |  |  |
| (d) $A$ is directly proportional to $B$ and when $A=12, B=3$.Find $A$ when $B=20$ | (e) $h $is directly proportional to $V$ and $h=36$ when $V=8$.Find $h$ when $V=44$ | (f) $y$ is directly proportional to the $x$, and $y=250$ when $x=5$. Find $x$ when $y=7.5$ | (g) $y$ is directly proportional to $x$. When $x=2, y=64$.Find $x$ when $y=80$ |