****Direct Proportion GREEN

|  |  |
| --- | --- |
| $A$ is directly proportional to $B$ and when $A=4$, $B=8$. Find the value of $A$ when $B=44$. | $E$ is directly proportional to the square root of $F$ and when $E=18$, $F=9$. Find the value of $F$ when $E=30$. |
| $C$ is directly proportional to the square of $D$ and when $C=32$, $D=4$. Find the value of $C$ when $D=3$. | $G$ is directly proportional to the cube of $H$ and when $G=54$, $H=3$. Find $G$ when $H=2$. |

****Direct Proportion AMBER

|  |  |
| --- | --- |
| $A$ is directly proportional to $B$ and when $A=4$, $B=8$. Find the value of $A$ when $B=44$.$A=kB$  | $E$ is directly proportional to the square root of $F$ and when $E=18$, $F=9$. Find the value of $F$ when $E=30$.$E=k\sqrt{F}$  |
| $C$ is directly proportional to the square of $D$ and when $C=32$, $D=4$. Find the value of $C$ when $D=3$.$C=kD^{2}$  | $G$ is directly proportional to the cube of $H$ and when $G=54$, $H=3$. Find $G$ when $H=2$.$G=kH^{3}$  |

****Direct Proportion RED

|  |  |
| --- | --- |
| $A$ is directly proportional to $B$ and when $A=4$, $B=8$. Find the value of $A$ when $B=44$.$A=kB$ $A=0.5B$Substitute $A=4$ and $B=8$$4=k×8$ $k=0.5$ $A=0.5B$  | $E$ is directly proportional to the square root of $F$ and when $E=18$, $F=9$. Find the value of $F$ when $E=30$.$E=k\sqrt{F}$ Substitute… |
| $C$ is directly proportional to the square of $D$ and when $C=32$, $D=4$. Find the value of $C$ when $D=3$.$C=kD^{2}$ Substitute $C=32$ and $D=4$ | $G$ is directly proportional to the cube of $H$ and when $G=54$, $H=3$. Find $G$ when $H=2$.$G=kH^{3}$  |