

63 Start by calculating a constant of proportionality for data point $(20, 118)$. $118 = k(20) \Rightarrow k = 5.9$.
Similarly, calculate a constant of proportionality for data point $(40, 324)$. $324 = k(40) \Rightarrow k = 8.1$.
Since the constant of proportionalities are not the same, we may conclude that stopping distance is not directly proportional to speed. Note that doubling the speed more than doubles the stopping distance.