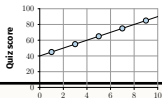


Start Tasks

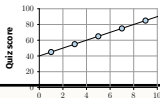


Identify the explanatory and response variables, then read the trend and association from a scatter plot.

- 1.** Which variable is explanatory (independent) and which is response (dependent) here?



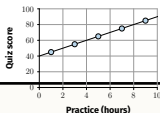
- 2.** Describe the association (positive/negative) and the trend (linear/non-linear) shown.



- 3.** Using the line of best fit, estimate the quiz score for 6 hours of practice.



- 4.** Is a prediction at 6 hours interpolation or extrapolation? Explain why.

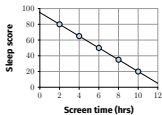


Start Tasks

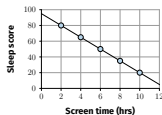


Read a negative-association scatter plot, then decide whether a further prediction is safe to make.

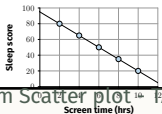
5. Which variable is explanatory and which is response in this graph?



6. Describe the association and the trend shown.



7. Using the line of best fit, estimate the sleep score for 6 hours of screen time.



8. A prediction is made for 11 hours. Is this interpolation or extrapolation? Explain.

