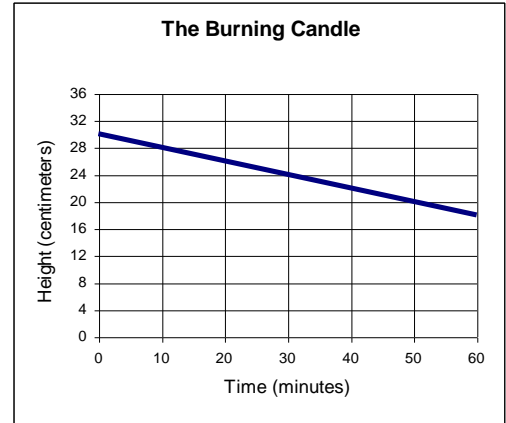


Math Problem 1: The following graph shows the height of a burning candle in terms of the length of time that it has been burning.

- (a) Identify the
Independent variable:
Dependent Variable

(b) How tall is the candle after 15 minutes?

(c) What is the vertical or y-intercept and what does it mean in context of this situation?

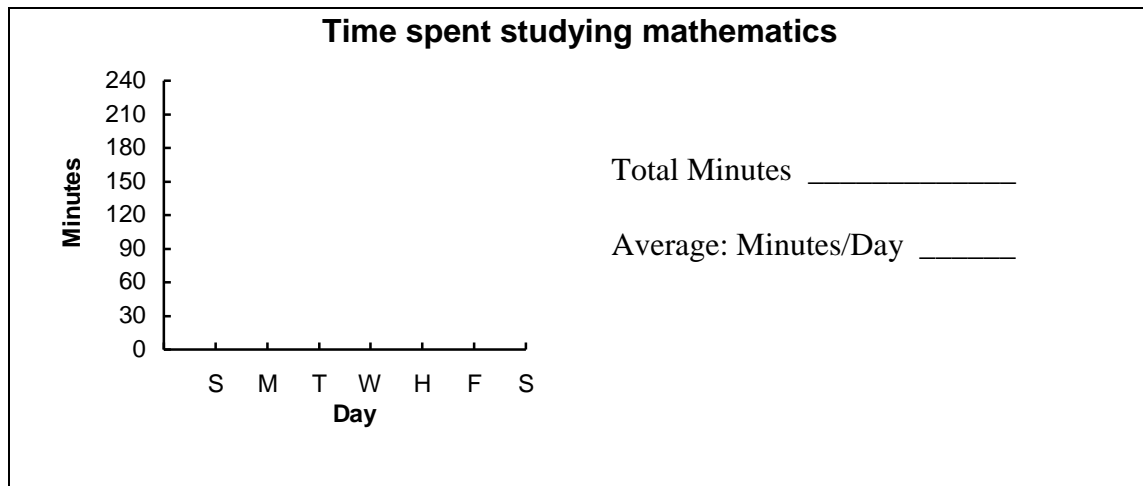


(d) The equation of the line drawn can be found to be $y = 30 - 0.2x$. What does the -0.2 represent mathematically? What units are associated with it? What does it mean in context of this situation?

(e) How many minutes can you expect the candle to last? Show or explain how you got your answer.

Math Problem 2: A company offers a mean annual salary of \$45,000, a median annual salary of \$20,000, and a modal annual salary of \$10,000. Create a list of six data that represents this situation. Explain your solution (thinking) process. Verify all results.

Journal Topic: There is a campaign on campus called **iFalcon**. Find out what it is and write what each letter of the campaign title stands for.



Comments/Observations on the Course and your Progress (optional):