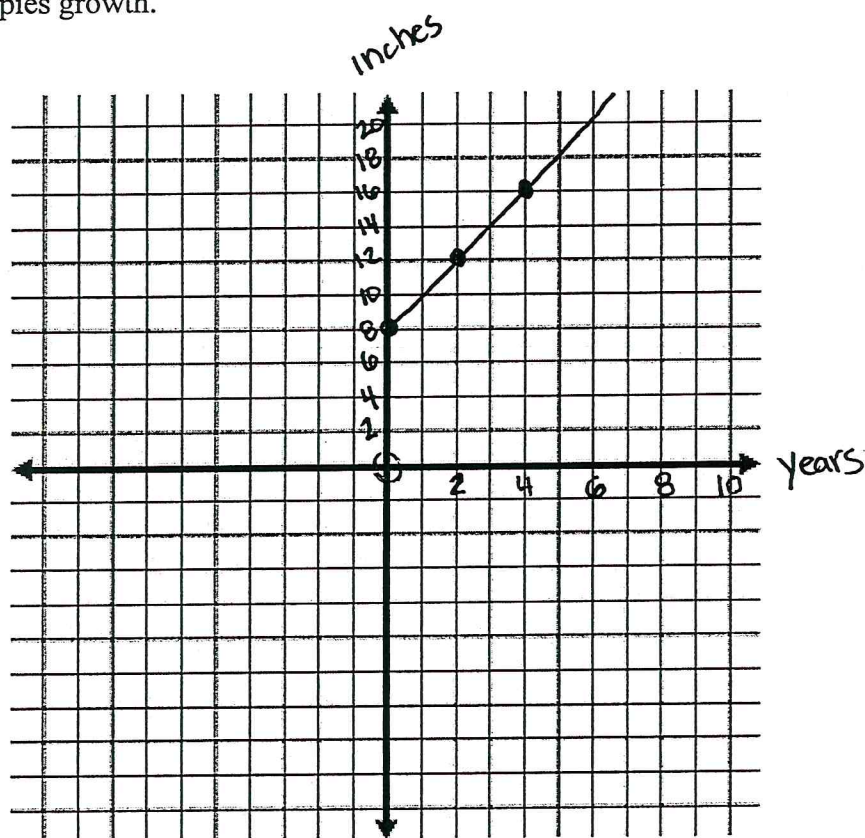4. Ali measured how tall his puppy grew over the course of 5 years. He created the graph below to show the puppies growth.

What is the y-intercept _____ 8 _____

What is the slope? $(0,8)$ $(2,12)$ $\frac{12-8}{2-0} = \frac{4}{2} = 2$ _____ (show your work below)

Explain what the slope and y-intercept mean in the context of this problem?

The 8 represents the height of the dog at the beginning of 5 years. The 2 represents how much the dog grows in inches each year.