## EXAMPLE 6 Recognizing a Proportional Pattern

Is the following statement true? Explain your reasoning.
As a human grows, its skull height is proportional to its total height.


Most adult humans are between 6.5 and 8 heads tall. Comic action heros, however, are often 9 heads tall.


## SOLUTION

This is not true of humans. A baby's skull height is about one-fourth of its total height. An adult's skull height is only about one-eighth of its total height.

In the graph, notice that the total height is not a constant multiple of the skull height.

