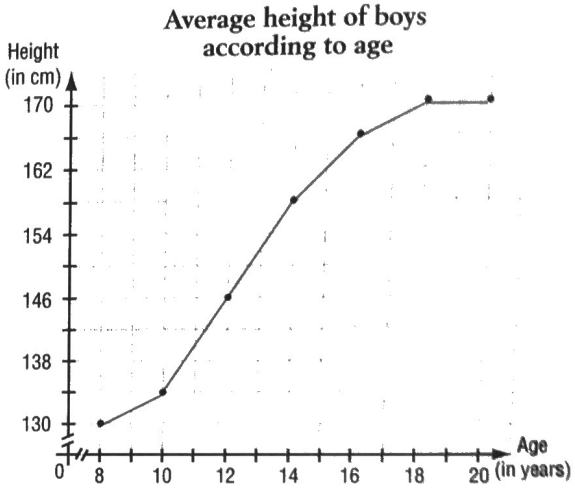
1.5 Graphs

Activity 1 Interpreting graphs

Consider the following graph, illustrating the relationship between the age and height of boys.



a) What are the variables in this situation? Indicate which one is independent and which one is dependent.

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b) Based on the given graph, complete the following table of values.

Age (in years)	8	10	12	14	16	18	20
Height (in cm)							

c) What would the approximate height of a 15 year old boy be? _____

d) At what age does the height of a boy seem to stabilize? _____

e) Is the growth more significant between 8 years and 10 years or between 10 years and 12 years?

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GRAPHIC REPRESENTATION (observation)

- The graphic representation of a situation enables the visualization of the relation between the variables in a given situation.

Ex.: The following graph shows the evolution of the temperature, hour by hour, from 6:00 AM to 6:00 PM.

The temperature rises from 6:00 AM to 1:00 PM, levels off between 1:00 PM and 3:00 PM, and decreases from 3:00 PM to 6:00 PM.