Unit 7 listening and speaking   Interpreting graphs
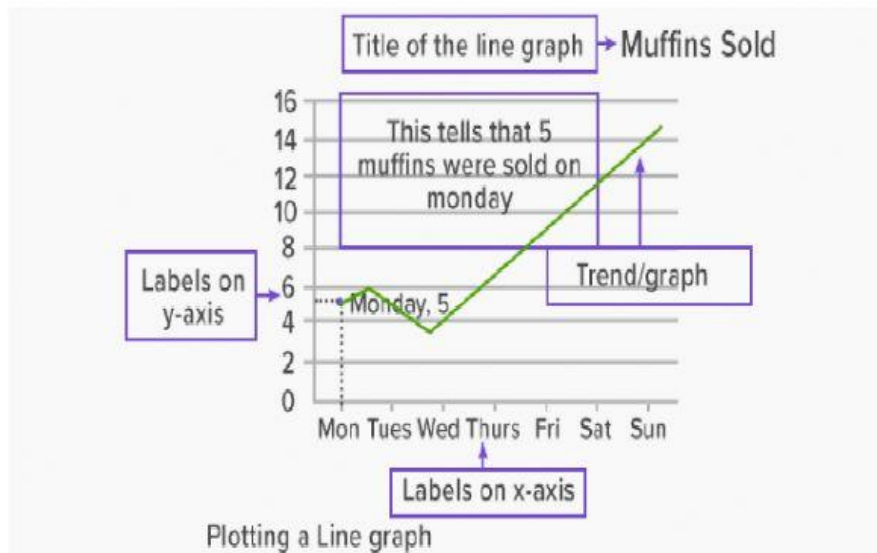
A line graph is a type of chart used to show information those changes over time. We plot line graphs using several points connected by straight lines.

The given image describes the parts of a line graph.

Plotting a Line graph

Select the correct definition

Title:

X-axis:

Y-axis:

Trend:

1. **A line graph is NOT used to:**

   A. track changes over a period of time

   B. compare parts of a whole

   C. understand trends in temperature over months or years

   D. observe similarities and differences between trends of rainfall change in 2 cities

2. **A line graph makes the use of:**

   A. Circular chart
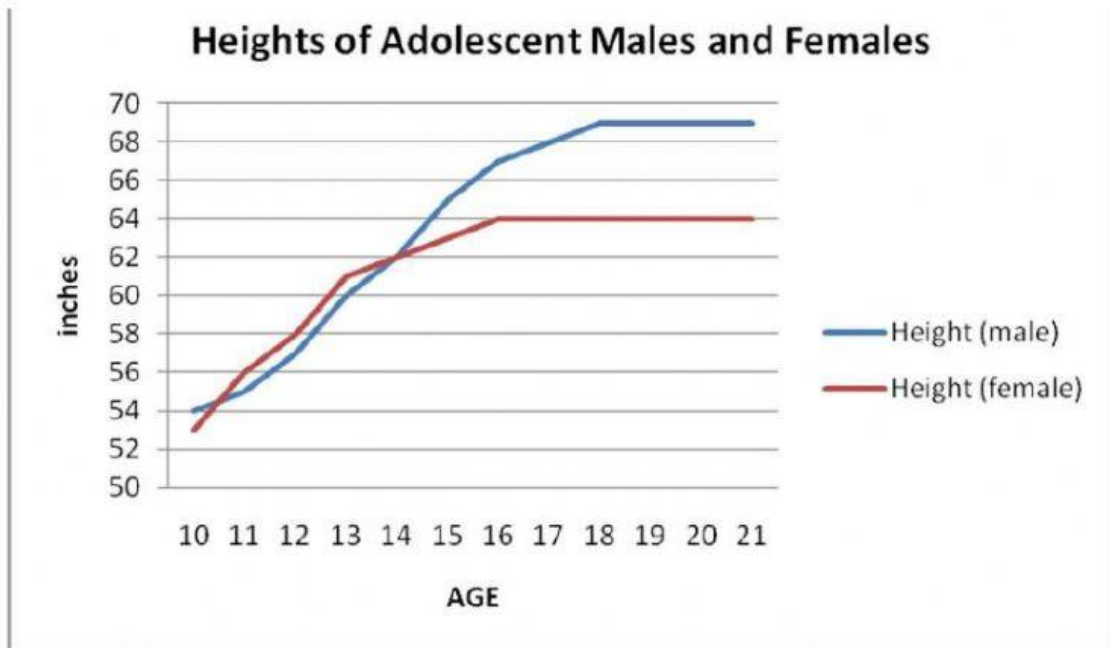
   B. pictures

   C. bars

   D. plotted lines

3. **In a particular line graph, the x-axis represents the month number and the y-axis represents savings in a month in dollars. What does the point (4, 10) on the line graph represent?**

   A. Savings of $10 in the month of April.

   B. Savings of $4 in the month of October.

   C. Savings of $10 in the month of October.

   D. Savings of $4 in the month of April.

4. **If a line graph is a straight line parallel to the x-axis, then, which of these points will NOT lie on it?**

   A. (2,3)

   B. (0,3)

   C. (3,0)

   D. (3,3)
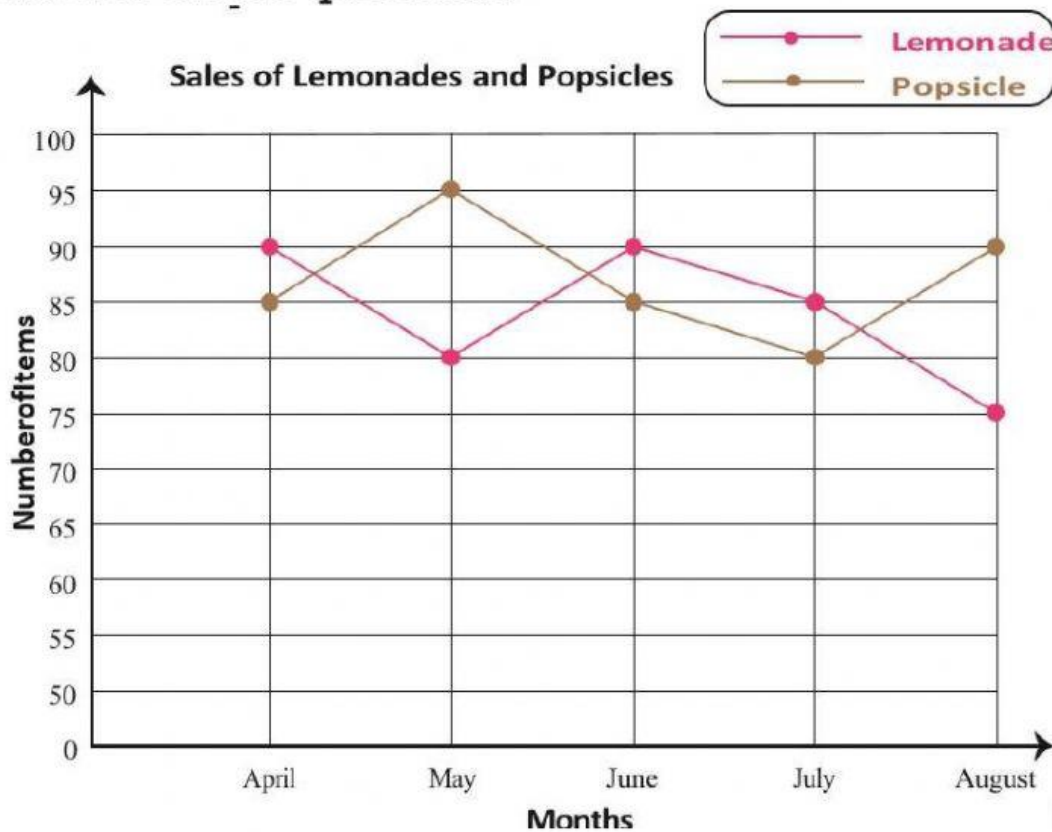
Interpret the graph and answer the following questions.

Heights of Adolescent Males and Females

1. How tall is the average male at 13 years? _____

2. How tall is the average female at 16 years of age? _____

3. How old is the average female who is 56 inches tall? _____

4. How old is the average male who is 65 inches tall? _____

5. At what age is the average female as tall as the average male? _____

6. At what ages is the average female as tall as or taller than the average male?

   _____

7. Estimate the average height of a male at age 13.5 years. _____

8. Estimate the average height of a female at age 11.5 years. _____

Ed sells lemonades and popsicles. The graph shows the overall sales of both the items from April to August. Use the graph to answer all the questions.

Sales of Lemonades and Popsicles

Legend:
- Lemonade
- Popsicle

1) How many lemonades did Ed manage to sell in May?

2) Which item was sold more in July?

3) In which month did Ed sell fewer popsicles?

4) How many more lemonades did Ed sell in June?

5) Find how many popsicles were sold altogether in July and August.