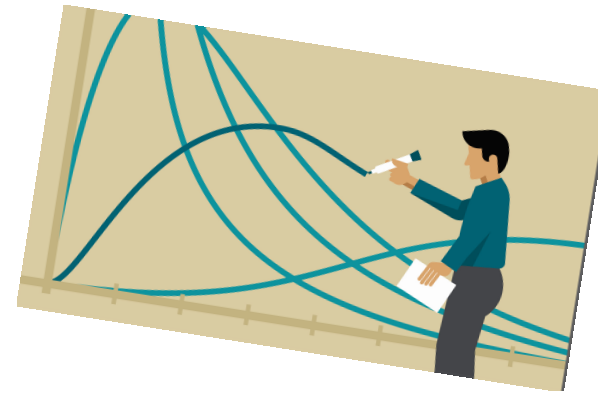
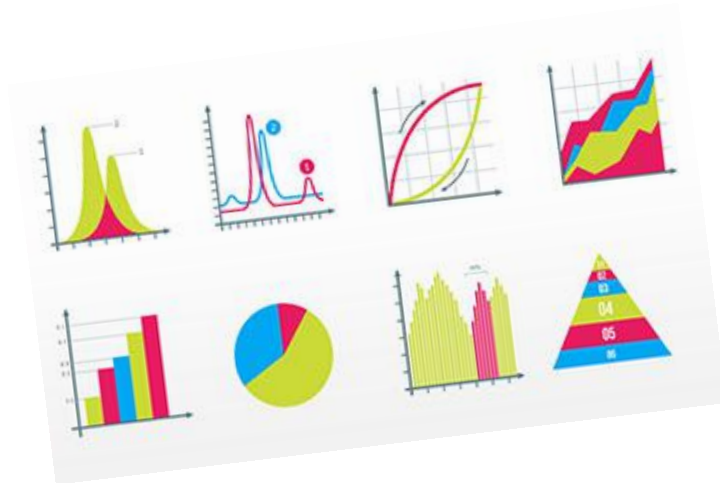


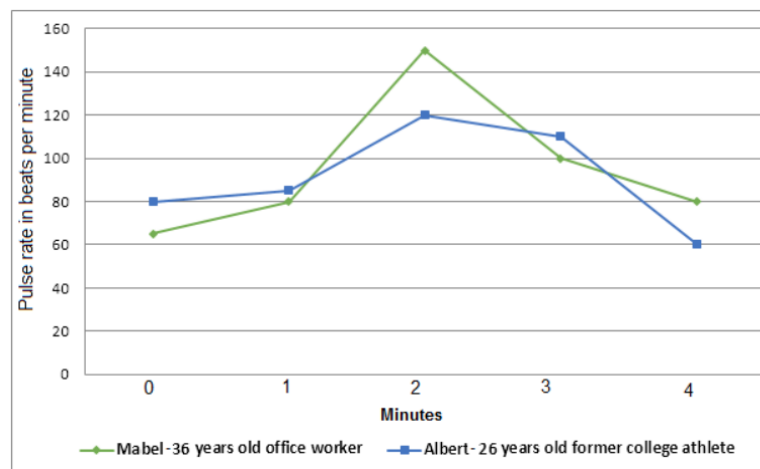
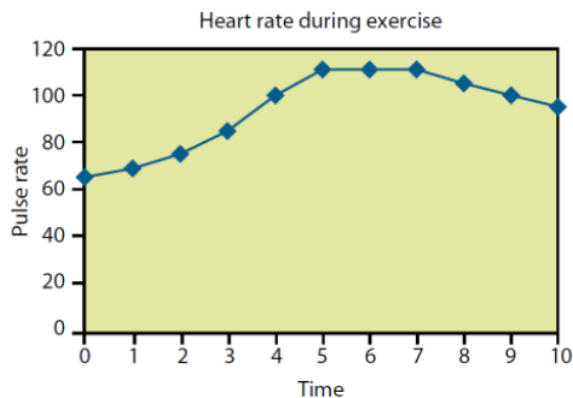
L.O.: I can reactivate my prior knowledge (...).

Line-Graphs are useful, because ... (give three examples).



L.O.: I can use line graphs to solve problems.

Think-Pair-Share: Which of the two line graphs could help prove that exercise strengthens the heart? Explain.



Sentence-Stems:

- I know the ... line graphs gives us proof, because ...
- I know that exercise strengthens the heart, because ...
- My proof is that ...

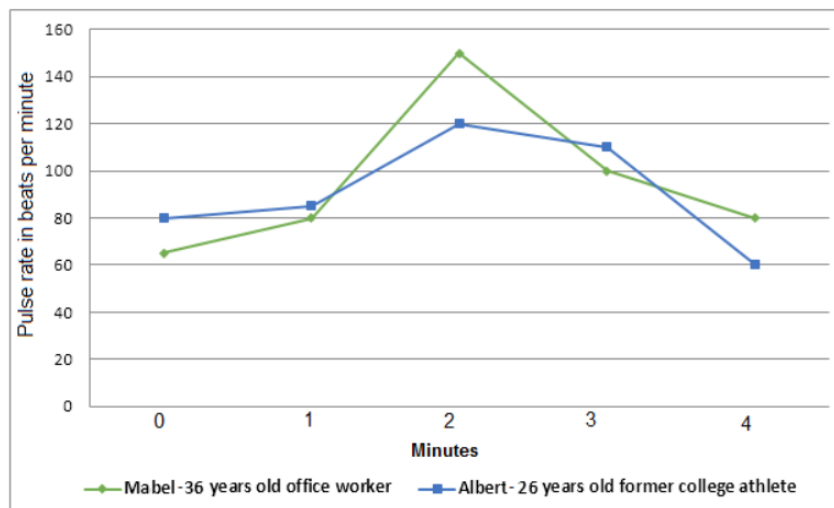
Keywords:

statistics, graphs, line-graph, bar-graph, bar-chart, data, y-axis, x-axis, plot, read, along the corridor and up the stairs, ...

L.O.: I can use line graphs to solve problems.

Good thinking!

Only the second one that compares an office worker with an athlete is useful proof.



Here, we also learn that "strengthening" the heart means the heart beat doesn't increase so much and so quickly. The line-graph is essentially flatter.

Sentence-Stems:

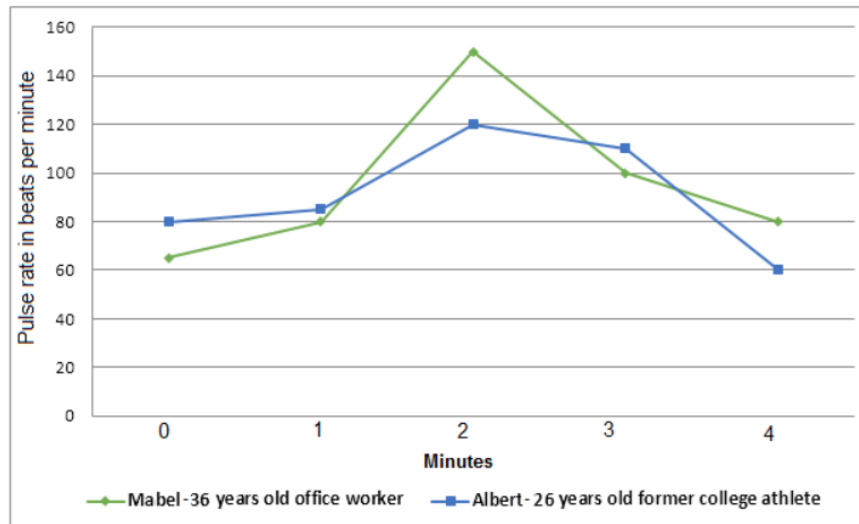
...

Keywords:

statistics, graphs, line-graph, bar-graph, bar-chart, data, y-axis, x-axis, plot, read, along the corridor and up the stairs, ...

L.O.: I can use line graphs to solve problems.

Similar to yesterday and Tuesday, solving problems with the help of line-graphs means, being able to read and interpret them. We will model this using the "heart beat" graph and then you can go off and complete your tasks.



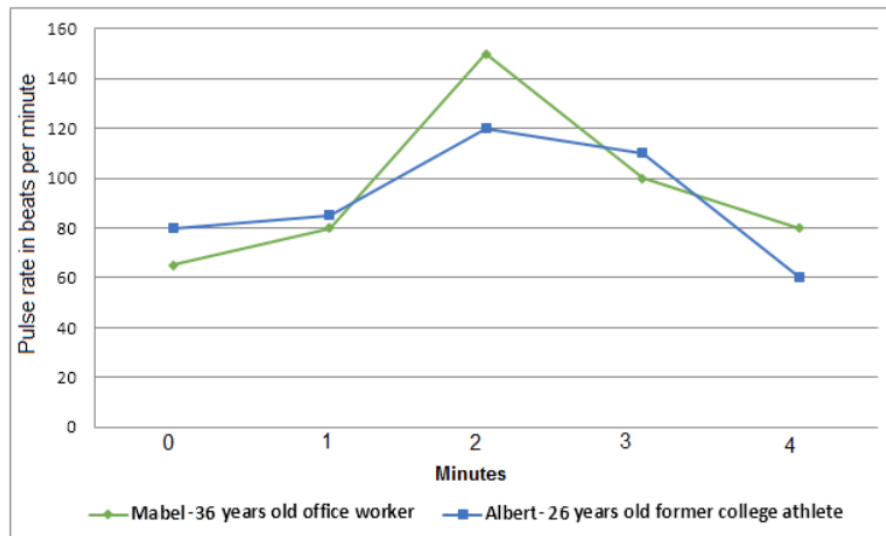
Q1: What is the difference between Mabel's highest and lowest heart rate?

Q2: Compare the change of heart rate between Mabel and Albert. How larger is the difference/range with Mabel compared to Albert?

Q3: What would happen to Albert's heart rate next (after the 4mins)? Explain.

L.O.: I can use line graphs to solve problems.

Well done for thinking deeply!



Q1: The difference/range of Mabel's heart rate is ca. 85 (150 highest - 65 lowest).

Q2: Mabel's heart beat range (85) is 25 more than Albert's (60).

Q3: I would predict that Albert's heart rate will increase to ca. 80 again, which seems like a base/resting heart rate. This also suggest that athletes seem to have a slightly higher basic/resting heart rate.

L.O.: I can use line graphs to solve problems.



Task: Complete the tasks from your sheet in your book.



Plenary



RL: Being able to read and interpret line-graphs will help me with ...

1. ...

2. ...

3. ...

Keywords:

statistics, graphs, line-graph, bar-graph, bar-chart, data, y-axis, x-axis, plot, read, along the corridor and up the stairs, ...