Subject: Mathematics

Level: S.3

Topic: Measures of Central Tendency

Sub-topic: Comparing two sets of data using the mean, median and mode

Background information:
This activity is carried out after activity I. After activity I, the teacher gives more examples. Then she uses Powerpoint and worksheet 2 to explain how the conclusion is written as a paragraph. She points to the connectives and structure of the paragraph.

Learning objectives:
1. Content:
Students should be able to
i. explain in writing the differences between the mean, median and mode with reference to two sets of data;

2. Language:
i. Use the language of comparison and cause and effect to compare two sets of data

Name:_____ Class:_____ No.:_____ Date:_____

Activity 2

Example 1

The following table shows the average ages of players in two football teams.

Football Teams	Mean age	Median age	Modal age
Team A	25	26	28
Team B	28	28	23

Both teams' 'fans claim: "We are younger."
Which team's players are younger?

Suggested answer:
The mean and median age of team A is lower than that of team B but the modal age of team A is higher than that of team B. The three averages of team A are not all lower than that of team B but modal age is not a persuasive average in this situation. Therefore, we can say that team A players are younger.

Write a short paragraph about the following example.
Use example I as a model.
In your paragraph, you can use other connectives if you want to, such as however, because, etc)

Example 2

Comparison of two sets of data by their averages (mean, median and mode)

The following table shows the average salaries of staff in two companies in the past year.

Class	Mean	Median	Mode
HKCE Company	520 000	500 000	600 000
HKAL Company	530 000	500 000	490 000

Both companies claim: We offer a higher salary." Why?
Which company offers the higher salary?