



Exemplar 4 :

Comparison of Stem-and-leaf Diagrams and Histograms

Objective : To compare the stem-and-leaf diagram and the histogram

Learning Unit : Construction and Interpretation of Simple Diagrams and Graphs

Key Stage : 3

Material Required : Graphs provided in the worksheet

Prerequisite Knowledge : Construction of stem-and-leaf diagrams and histograms

Description of the Activity :

1. The teacher distributes the worksheet to students.
2. Students use the data provided in Question 1 to draw a stem-and-leaf diagram.
3. Students use the same set of data to draw a histogram for Question 2.
4. After students completed Questions 1 and 2, the teacher asks students to discuss the similarities and differences of the stem-and-leaf diagram and the histogram on the information obtained by reading the diagrams. Students can discuss in groups.
5. The teacher invites some representatives of the groups to report the results of discussion to the class.
6. In summing up, the teacher asks students to suggest appropriate cases for using stem-and-leaf diagrams or histograms.