Pie Charts and Proportions

Pie charts enable a quick and clear overview of how portions of data relate to the whole.

Example

A questionnaire asking students about their favourite colour elicited the following results:
Red: 20 students
Blue: 12 students
Green: 25 students
Pink: 10 students
Yellow: 6 students

1. Make a pie chart based on this data.
2. Find the percentage for each colour.

Before Starting There may be differences in the results of calculations and graph plotting depending on the setting. Return all settings to the default value and delete all data.
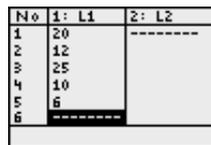
Step & Key Operation	Display	Notes

1-1 Enter the data.

STAT A ENTER 2 0 ENTER 1

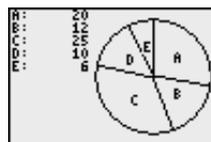2 ENTER 2 5 ENTER 1 0

ENTER 6 ENTER

1-2 Choose the setting for making a pie chart.

2nd F STAT PLOT A ENTER ENTER ▼

▼ ▼ ▼ 2nd F STAT PLOT F 1

1-3 Make a pie chart.

GRAPH

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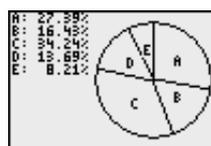
2-1 Choose the setting for displaying by percentages.

2nd F STAT PLOT A ENTER ▼ ▼ ▼

2nd F STAT PLOT F 2

2-2 Make another pie chart.

GRAPH

Red: 27.39%
Blue: 16.43%
Green: 34.24%
Pink: 13.69%
Yellow: 8.21%

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Pie charts can be made easily with the EL-9450.

SHARP