Lesson 4 Assessment
Presenting Data Graphically

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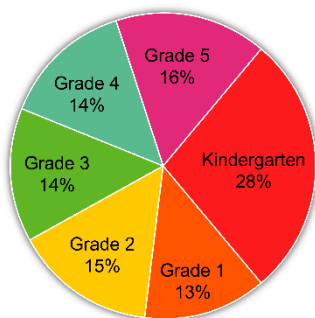
Compares the information from different graphs for the same data set	Uses the given data to decide on the type of graph to draw, and justifies the choice	Asks and answers questions about a graph	Suggests an alternative graph to display a given data set

Compares the information from different graphs for the same data set

Bar graph

Number of Students Enrolled by Grade
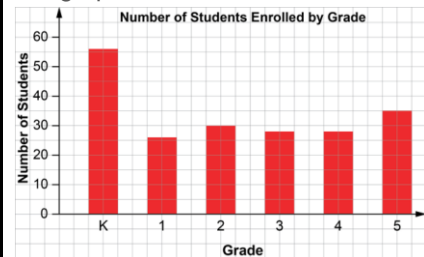
The data for the bar graph are shown as percents in this circle graph.

Students in School
- Grade 5 16%
- Kindergarten 28%
- Grade 1 13%
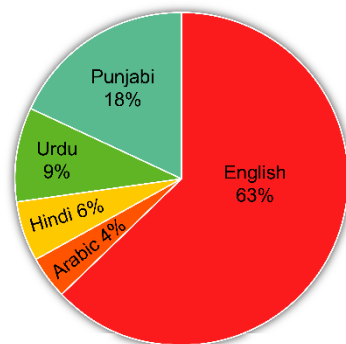- Grade 2 15%
- Grade 3 14%
- Grade 4 14%

If I want to know how many students are in each grade, I would use the bar graph.
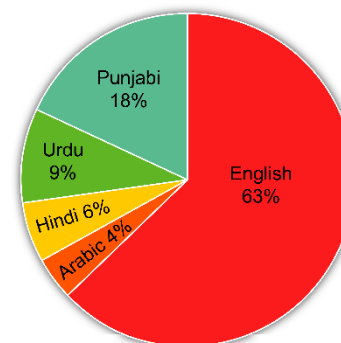If I wanted to compare the sizes of the classes, I would use the circle graph and compare the sectors.

I created a circle graph to show the results of a student census. Because the number of students is large, I used a circle graph that shows percents to make it easier to compare the categories.

Students' First Language
- English 63%
- Punjabi 18%
- Urdu 9%
- Hindi 6%
- Arabic 4%

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Question: What fraction of the students have Punjabi as their first language?

Answer:
The sector for Punjabi is 18%, which a little less than $\frac{1}{5}$ of the students.

For the students' first language data, the data is separated into categories, so I could also draw a bar graph.

Mathology 8, *Data Management*
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Observations/Documentation			