



Bar Graph Bridge

Grade 3

Scale and Measurement in Graphing

7 levels

Probing Questions

- How do you know how far to extend the bar?
- How do you know where this number is when it's not labeled on the axis?

What's Important Here?

Students build graphs to match the data given in the chart. They have to interpret different scales on the axis as well as different ways that the data can be represented. Be sure to extend the work in the games to other graphs that students create.

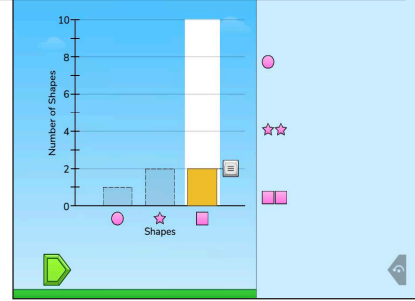
Classroom Connection

Project a graph and have students write statements describing the data shown. Be sure to include statements like, "There are _____ more _____ than _____."

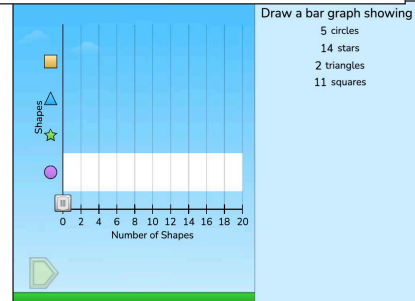
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There are vertical and horizontal bars with axes marked in different increments.



The levels move from visual to numeric data.



Scale and Measurement in Graphing1



Bar Graph Bridge 2

Grade 3

Scale and Measurement in Graphing

3 levels

Probing Questions

- How do you know how many there are of this shape?
- This bar is between the numbers. How do you figure out how many there are?

Something to Think About

In the previous game students created graphs. Here they are representing the information in the graph on a chart using numbers and tally marks.

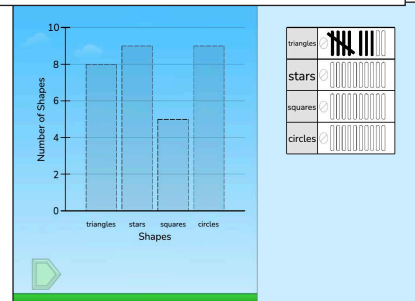
Classroom Connection

Project a graph and have students write statements describing the data shown. Be sure to include statements like, "There are _____ more _____ than _____."

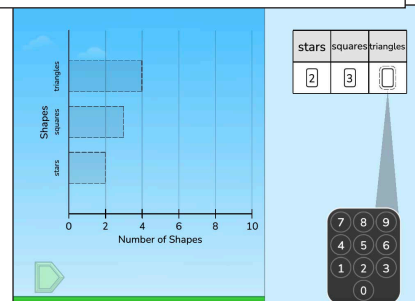
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In Level 2, students interpret tally marks and translate them to a graph.



Level 3 transitions to words instead of the shapes used in Level 1.



Scale and Measurement in Graphing2