# Lesson 5: Represent Data in Scaled Bar Graphs

### Standards Alignments

|  |  |
| --- | --- |
| Addressing | 3.MD.B, 3.MD.B.3 |
| Building Towards | 3.MD.B.3 |

### Teacher-facing Learning Goals

* Represent data using scaled bar graphs.

### Student-facing Learning Goals

* Let’s make a scaled bar graph.

### Lesson Purpose

The purpose of this lesson is for students to create a scaled bar graph.

In a previous lesson, students collected categorical class data and learned how to create a scaled picture graph. Students now make connections between scaled picture graphs and scaled bar graphs, and expand the idea of a scale that is more than one to bar graphs. In this lesson students choose a scale of 2 or 5 for their bar graph.

**Math Community**

Tell students that, at the end of the lesson, they will be asked to identify specific examples of norms they experienced as they did math.

### Access for:

###  Students with Disabilities

* Engagement (Activity 2)

###  English Learners

* MLR7 (Activity 2)

### Instructional Routines

Number Talk (Warm-up)

### Materials to Gather

* Materials from a previous lesson: Activity 2

### Lesson Timeline

|  |  |
| --- | --- |
| Warm-up | 10 min |
| Activity 1 | 10 min |
| Activity 2 | 25 min |
| Lesson Synthesis | 10 min |
| Cool-down | 5 min |

### Teacher Reflection Question

Based on students’ prior work with scaled picture graphs, what strategy did you anticipate today? What strategy did you not anticipate?

## Cool-down

(to be completed at the end of the lesson) 5min

Complete a Scaled Bar Graph

### Standards Alignments

|  |  |
| --- | --- |
| Addressing | 3.MD.B.3 |

### Student-facing Task Statement

Students visiting the zoo were asked, “What is your favorite animal at the zoo?”

Their responses are shown in this table:

| animal | number of students |
| --- | --- |
| elephant | 17 |
| tiger | 10 |
| giraffe | 14 |
| otter | 4 |

Use the data in the table to complete the scaled bar graph.



### Student Responses

Student bar graphs should show 10 students chose tigers and 4 students chose otters.

