

Lesson 3: Scaled Picture Graphs

Standards Alignments

Building On	2.NBT.B.5
Addressing	3.MD.B
Building Towards	3.MD.B.3

Teacher-facing Learning Goals

- Interpret scaled picture graphs to generate questions (orally and in writing) about the data.

Student-facing Learning Goals

- Let's explore scaled picture graphs.

Lesson Purpose

The purpose of this lesson is for students to read and answer questions about scaled picture graphs.

In previous lessons, students reviewed how to create and interpret single-unit scale picture graphs. In this lesson, students learn that a **scaled picture graph** is a picture graph where each picture represents an amount other than 1. They read, interpret, and answer questions about scaled picture graphs with a scale of 2 and 5, and generate questions that can be answered by these graphs.

Math Community

Tell students that, at the end of the lesson, they will be asked to identify specific actions from their “Doing Math” list (both teacher and student sections) they personally experienced.

Access for:

Students with Disabilities

- Representation (Activity 2)

English Learners

- MLR8 (Activity 2)

Instructional Routines

Number Talk (Warm-up)

Lesson Timeline

Warm-up	10 min
---------	--------

Teacher Reflection Question

In this lesson, students make sense of scaling a picture graph by a number other than 1. How does this support the work that students will do

Activity 1	15 min
Activity 2	20 min
Lesson Synthesis	10 min
Cool-down	5 min

with multiplication later in this unit?

Cool-down (to be completed at the end of the lesson)

 5 min

Birds in the Park

Standards Alignments

Addressing 3.MD.B

Student-facing Task Statement

Jada collected data to see how many of each type of bird she saw on her way home.

The data is shown in this picture graph:

Birds I Saw on the Way Home



Each ✓ represents 2 birds.

Based on the data on the graph:

1. How many sparrows did Jada see on the way home?

2. Write one question you could ask about the birds Jada saw on the way home.

Student Responses

1. 10 sparrows
2. Sample responses: How many birds did Jada see on the way home? How many blue jays and cardinals did Jada see on the way home?