# 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 |
| Activity 1 | 15 min |
| Activity 2 | 20 min |
| Lesson Synthesis | 10 min |
| Cool-down | 5 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 with multiplication later in this unit?

## Cool-down

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

Birds in the Park

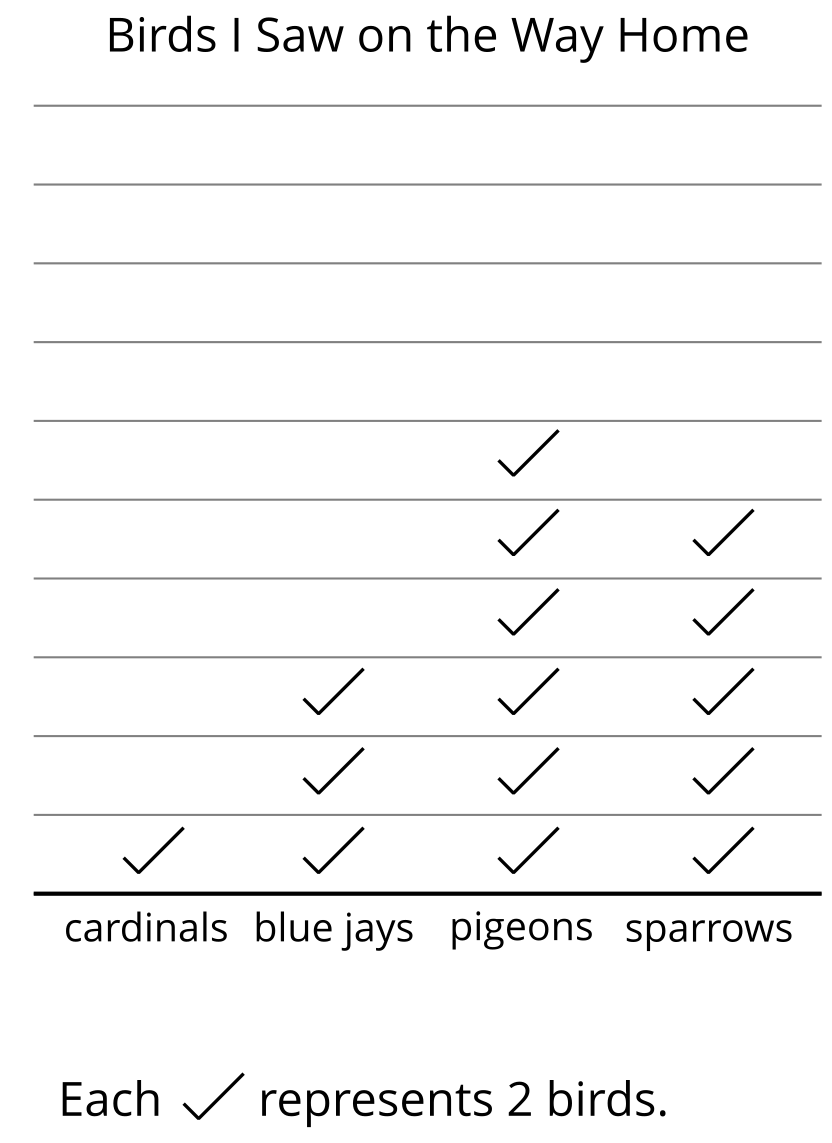
### Standards Alignments

|  |  |
| --- | --- |
| 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:



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?