

Focus Standards and Claim

Claim 2
1.NBT.B.3

Stimulus

Going Green

The “Go Green” company held a week-long recycling contest at your school. The grade that collects the most bottles and cans wins the contest.

Your task is to determine which grade won the “Go Green” contest.

The items that can be recycled are shown.



- Plastic bottles
- Aluminum cans
- Glass bottles

Students from the 3rd grade, 4th grade, and 5th grade classes collected bottles and cans and brought them to school.

Table 1 shows how many bottles and cans each grade collected on each day of the week.

Table 1. Bottles and Cans Collected

Class	Bottles and Cans Collected Each Day				
	Monday	Tuesday	Wednesday	Thursday	Friday
3rd Grade	50	60	90	120	90
4th Grade	70	90	100	50	80
5th Grade	80	80	80	80	80

Item Prompt

Use **Table 1** to help you answer this question.

On Tuesday, how many more bottles and cans did the 4th grade class collect than the 3rd grade class?

Scoring Guide

SCORE	1 POINT	0 POINTS
	The student enters 30.	All other responses.

Sample Responses

Student Sample A



30

SCORE RATIONALE

This student accurately entered the difference between the values.

Student Sample B



230

SCORE RATIONALE

Incorrect response. This student likely added to find the total collected by grades 3, 4, and 5 on Tuesday.

Student Sample C



120

SCORE RATIONALE

Incorrect response. This student may have added the 3rd and 4th grade values from the table for Monday, decomposing 70 into $50 + 20$.