

Focus  
Standards  
and Claim

Claim 3  
2.NBT.B

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
<b>3rd Grade</b>	50	60	90	120	90
<b>4th Grade</b>	70	90	100	50	80
<b>5th Grade</b>	80	80	80	80	80

## Item Prompt

You are the contest judge. You need to figure out who won the contest. Did 3rd grade, 4th grade, or 5th grade win the "Go Green" contest?

Use words and numbers to clearly explain:

- which grade won the contest, and
- how you know they collected the most cans and bottles.

## Sample Responses

## Sample Response A

3rd  
50  
60  
90  
120  
-----  
12,90

4th  
70  
90  
100  
50  
-----  
13,00

5th  
80  
80  
80  
80  
-----  
320

The winner is 4th grade

Sample Response B	$120 + 90 + 90 = 300$ $300 + 60 = 360$ $360 + 50 = 410$ $100 + 90 = 190$ $190 + 80 = 270$ $270 + 70 = 340$ $340 + 70 = 410$ $80 + 80 = 160$ $160 + 80 = 240$ $240 + 80 = 320$ $320 + 80 = 400$ 410 3rd 390 4th 400 5th  3rd grade won Go Green contest
Sample Response C	80 80 80 80 80 = 400  270 90 100 50 80 = 290  390 90 120 32 50 = 401
Sample Response D	3 <sup>rd</sup> grade won the contest because 410 is more than 400 and 390.

Sample Response E	5th grade won they have a total of 460 more than other grades. 3rd grade had a total of 420 4th grade had a total of 390.
Sample Response F	3rd grade won because on Tuesday it's the only numbers that are the biggest in 3rd and fourth grade is wendsday for fourth grade is 100 and 3rd grade Thurs. is 120 so it was 20 more than 100.
Sample Response G	3rd grade has the most bottles because they have 120.
Sample Response H	4th grade won because it has 400 and that is a bigger number then 290 or 310. $80 + 80 + 80 + 80 + 80 + 80 = 400$ $70 + 90 + 100 + 50 + 80 = 290$ $50 + 60 + 90 + 120 + 90 = 310$