

# Example Math BCR

**On Monday, 32 people went to the park before noon. In the afternoon, 24 more people came. On Tuesday, 26 people came to the park before noon. In the afternoon, 29 more people came.**

## Step A

Write a number sentence showing the relationship between the number of people at the park on Monday and the number of people at the park on Tuesday.

## Step B

Explain why your answer is correct.

Use what you know about number relationships in your explanation.

Use words and/or numbers in your explanation.

*Step A is scored 0 (Incorrect) or 1 (Correct) and assesses 1.B.2.a.*

*Step B is scored with a 3 point (0, 1, 2) rubric and assesses Processes of Mathematics.*

## Correct Answer

### Step A

$32 + 24 > 26 + 29$  or  $56 > 55$

## BCR Response

### Sample of a 2 correct response:

I added  $32 + 24$  because that is how many people came to the park on Monday before and afternoon. This added up to be 56. Next, I added  $26 + 29$  and got 55 to show how many people came to the park on Tuesday. So,  $56 > 55$  or  $32 + 24 > 26 + 29$ . This is how I showed that more people came to the park on Monday than on Tuesday.

## Brief Constructed Response (BCR) Rubric

### Score 2

**The response demonstrates a complete understanding and analysis of a problem.**

- Application of a reasonable strategy in the context of the problem is indicated.
- Explanation<sup>1</sup> of and/or justification<sup>2</sup> for the mathematical process(es) used to solve a problem is clear, developed, and logical.
- Connections and/or extensions made within mathematics or outside of mathematics are clear.
- Supportive information and/or numbers are provided as appropriate.<sup>3</sup>

### Score 1

**The response demonstrates a minimal understanding and analysis of a problem.**

Partial application of a strategy in the context of the problem is indicated.

- Explanation<sup>1</sup> of and/or justification<sup>2</sup> for the mathematical process(es) used to solve a problem is partially developed, logically flawed, or missing.
- Connections and/or extensions made within mathematics or outside of mathematics are partial or overly general, or flawed.
- Supportive information and/or numbers may or may not be provided as appropriate

### Score 0

The response is completely incorrect, irrelevant to the problem, or missing.

