

MATH GRADE 4

A. Short Answer (SA) 2 points

Mean: 1.25

Standard: I.B

Strand: Number and Operations

Content Standard: Students will understand numerical concepts and mathematical operations

Benchmark: Understand the meaning of operations and how they relate to one another.

1. Students in Mrs. Rozene's class made the chart below to record information about their bake sale.

Number of Cookies Sold Each Day

Mon.	Tues.	Wed.	Thurs.	Fri.
213	147	351	312	408

Use words, numbers, or pictures to explain how to find the total number of cookies Mrs. Rozene's class sold in the first 3 days of the bake sale.

B. Rubric

New Mexico Rubric for 2-point Open-Ended Items

Score	Description
2	<p>The student response</p> <ul style="list-style-type: none"> • offers a correct solution and is well supported by well-developed and accurate explanations. • gives evidence that an appropriate problem-solving strategy was selected and implemented, but may contain minor errors that do not detract from the overall quality of the student response. • is clearly organized and focused, and shows a mathematical understanding of the task or concept. • contains sufficient work to convey thorough understanding of the problem.
1	<p>The student response</p> <ul style="list-style-type: none"> • offers a correct solution with no supporting evidence or explanation. • offers a partially correct answer to the problem. • may contain flaws indicating an incomplete understanding of the task or concept. • may show faulty reasoning leading to weak answers or conclusions. • may demonstrate unclear communication in writing or diagrams. • may demonstrate a poor understanding of relevant mathematical procedure or concepts.
0	<p>The student response</p> <ul style="list-style-type: none"> • gives an incorrect response with no work shown. • offers no mathematical understanding of the problem • does not address the problem.

B. Student Responses

SCORE 2

42

$$\begin{array}{r}
 11 \\
 213 \\
 147 \\
 +351 \\
 \hline
 711
 \end{array}$$

$(200 + 100 + 300) = 600 + 10 + 50 + 40 = 700$

$3 + 7 + 1 = 11$

711

42) The total number of cookies they sold in 3 days was 711 cookies. I figured this problem out by adding the first 3 numbers.

42) To find the total amount of the cookies they made the first three days you can add Mon, Tues, and Wed, together and it will come out to 611.

SCORE 1

42

711
+ 47
+ 12

770

213
+ 47
+ 12

272

COOKIES

42) For the bake sale the number of cookies sold were 711.

SCORE 0

42

$$\begin{array}{r} 2 \\ 213 \\ 247 \\ 351 \\ 312 \\ 408 \\ \hline 1931 \end{array}$$

42

$$\begin{array}{r} 213 \\ \hline 147 \\ \hline 351 \end{array}$$

cookies
351

42

1 1
213 beg. 147 middle 351 end

$$\begin{array}{r} 213 \\ 147 \\ \hline 720 \\ 8520 \\ \hline 241 \\ 15351 \\ \hline \times 2 \\ 19241 \\ 9121050 \\ \hline 920291 \end{array}$$

920,291