



New York State Testing Program

Mathematics Test

Grade **7**

2009 Scoring Guide

38

Millie recorded the prices of all the plants she sold between noon and 1 P.M. at a nursery. At the end of the hour, she reviewed her list, as shown below.

\$2.95 \$8.50 \$12.95 \$3.50 \$4.50 \$14.50 \$12.95 \$4.50 \$3.50 \$12.95 \$8.50 \$4.50

Using Millie’s list, complete the frequency table below to show how many plants were sold in each of the indicated price ranges.

Be sure to

- title the table
- label the columns
- record all the data

\$0.00–\$3.99	
\$4.00–\$7.99	
\$8.00–\$11.99	
\$12.00–\$15.99	

Which price range shows the **least** number of plants sold?

Answer \$ _____ to \$ _____

QUESTION 38

STRAND 5: STATISTICS AND PROBABILITY

Complete and Correct Response:

•

PLANTS SOLD AT THE NURSERY

Price Range	Number Sold
\$0.00–\$3.99	3
\$4.00–\$7.99	3
\$8.00–\$11.99	2
\$12.00–\$15.99	4

OR other valid response

AND

- (\$)8.00 (to \$)11.99

Score Points:

Apply 3-point holistic rubric.

38

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\$2.95 \$8.50 \$12.95 \$3.50 \$4.50 \$14.50 \$12.95 \$4.50 \$3.50 \$12.95 \$8.50 \$4.50

Using Millie's list, complete the frequency table below to show how many plants were sold in each of the indicated price ranges.

Be sure to

- title the table
- label the columns
- record all the data

Plant Sale

Cost	Sold
\$0.00-\$3.99	3
\$4.00-\$7.99	3
\$8.00-\$11.99	2
\$12.00-\$15.99	4

Which price range shows the least number of plants sold?

Answer \$ 8.00 to \$ 11.99

This response is complete and correct.

Score Point 3

38

Millie recorded the prices of all the plants she sold between noon and 1 P.M. at a nursery. At the end of the hour, she reviewed her list, as shown below.

\$2.95 \$8.50 \$12.95 \$3.50 \$4.50 \$14.50 \$12.95 \$4.50 \$3.50 \$12.95 \$8.50 \$4.50

Using Millie's list, complete the frequency table below to show how many plants were sold in each of the indicated price ranges.

Be sure to

- title the table
- label the columns
- record all the data

Prices	How many
\$0.00–\$3.99	111
\$4.00–\$7.99	111
\$8.00–\$11.99	11
\$12.00–\$15.99	111

Which price range shows the least number of plants sold?

Answer \$ 8.00 to \$ 11.99

This response is partially correct. Most aspects of the task are addressed correctly; however, the value for \$12–\$15.99 is incorrect and the table is missing a title.

Score Point 2

38

Millie recorded the prices of all the plants she sold between noon and 1 P.M. at a nursery. At the end of the hour, she reviewed her list, as shown below.

~~\$2.95~~ ~~\$8.50~~ ~~\$12.95~~ ~~\$3.50~~ ~~\$4.50~~ ~~\$14.50~~ ~~\$12.95~~ ~~\$4.50~~ ~~\$3.50~~ ~~\$12.95~~ ~~\$8.50~~ ~~\$4.50~~

Using Millie's list, complete the frequency table below to show how many plants were sold in each of the indicated price ranges.

Be sure to

- title the table
- label the columns
- record all the data

Prices of Plants	Sold in indicated Price range
\$0.00-\$3.99	3 Plants
\$4.00-\$7.99	3 Plants
\$8.00-\$11.99	2 Plants
\$12.00-\$15.99	4 Plants

Which price range shows the least number of plants sold?

Answer \$ 0.00 to \$ 3.99

This response is partially correct. Although the title of the table is missing and the price range is incorrectly identified, a correct chart demonstrates partial understanding of the mathematical concepts embodied in the task.

Score Point 2

38

Millie recorded the prices of all the plants she sold between noon and 1 P.M. at a nursery. At the end of the hour, she reviewed her list, as shown below.

~~\$2.95~~ ~~\$3.50~~ ~~\$12.95~~ ~~\$3.90~~ ~~\$4.50~~ ~~\$14.50~~ ~~\$11.95~~ ~~\$4.50~~ ~~\$3.70~~ \$12.95 ~~\$8.50~~ ~~\$4.50~~

Using Millie's list, complete the frequency table below to show how many plants were sold in each of the indicated price ranges.

Be sure to

- title the table
- label the columns
- record all the data

Plants being sold:

\$0.00–\$3.99	3
\$4.00–\$7.99	3
\$8.00–\$11.99	2
\$12.00–\$15.99	4

Which price range shows the least number of plants sold?

Answer \$ 8.00 to \$ 11.00

This response is partially correct. A correctly titled table along with four correct values is sufficient to demonstrate partial understanding of recording data in a frequency table.

Score Point 2

38

Millie recorded the prices of all the plants she sold between noon and 1 P.M. at a nursery. At the end of the hour, she reviewed her list, as shown below.

\$2.95 \$8.50 \$12.95 \$3.50 \$4.50 \$14.50 \$12.95 \$4.50 \$3.50 \$12.95 \$8.50 \$4.50

Using Millie's list, complete the frequency table below to show how many plants were sold in each of the indicated price ranges.

Be sure to

- title the table
- label the columns
- record all the data

Prices of plants	hours
\$0.00-\$3.99	111
\$4.00-\$7.99	111
\$8.00-\$11.99	11
\$12.00-\$15.99	1111

Which price range shows the least number of plants sold?

Answer \$ 0.00 to \$ 15.99

This response exhibits many flaws, but it is not completely incorrect. Four correct table values with one correctly labeled column demonstrate only a limited understanding.

Score Point 1

38

Millie recorded the prices of all the plants she sold between noon and 1 P.M. at a nursery. At the end of the hour, she reviewed her list, as shown below.

\$2.95 \$8.50 \$12.95 \$3.50 \$4.50 \$14.50 \$12.95 \$4.50 \$3.50 \$12.95 \$8.50 \$4.50

Using Millie's list, complete the frequency table below to show how many plants were sold in each of the indicated price ranges.

Be sure to

- title the table
- label the columns
- record all the data

plants	millie
\$0.00-\$3.99	
\$4.00-\$7.99	
\$8.00-\$11.99	
\$12.00-\$15.99	

Which price range shows the least number of plants sold?

Answer \$ 12.00 15.99 to \$ ||||

This response demonstrates only a limited understanding of the mathematical concepts in this task. Although the table contains four correct entries, it reflects a lack of essential understanding of the underlying mathematical concepts.

Score Point 1

38 Millie recorded the prices of all the plants she sold between noon and 1 P.M. at a nursery. At the end of the hour, she reviewed her list, as shown below.

\$2.95 \$8.50 \$12.95 \$3.50 \$4.50 \$14.50 \$12.95 \$4.50 \$3.50 \$12.95 \$8.50 \$4.50

Using Millie's list, complete the frequency table below to show how many plants were sold in each of the indicated price ranges.

Be sure to

- title the table
- label the columns
- record all the data

$$\begin{array}{r}
 2/4 \\
 14.50 \\
 - 2.95 \\
 \hline
 11.55
 \end{array}$$

money earned

<i>How much</i>	<i>Plants</i>
\$0.00-\$3.99	11
\$4.00-\$7.99	111
\$8.00-\$11.99	11
\$12.00-\$15.99	1111

Which price range shows the least number of plants sold?

Answer \$ ~~11.55~~ to \$ ~~14.50~~

This response demonstrates only a limited understanding of the mathematical concepts embodied in recording data in a frequency table. Three of the table values and the column titles are correct; however, the remainder of the table is incorrect.

Score Point 1

38

Millie recorded the prices of all the plants she sold between noon and 1 P.M. at a nursery. At the end of the hour, she reviewed her list, as shown below.

\$2.95 \$8.50 \$12.95 \$3.50 \$4.50 \$14.50 \$12.95 \$4.50 \$3.50 \$12.95 \$8.50 \$4.50

Using Millie's list, complete the frequency table below to show how many plants were sold in each of the indicated price ranges.

Be sure to

- title the table
- label the columns
- record all the data

Plants sold

Prices of Plants	Frequency
\$0.00–\$3.99	-3.99
\$4.00–\$7.99	-3
\$8.00–\$11.99	-3
\$12.00–\$15.99	-3

Which price range shows the least number of plants sold?

Answer \$ 8 to \$ 11

This response is incorrect. Three correct titles fail to demonstrate even a limited understanding of the task.

Score Point 0



New York State Testing Program

Mathematics Test

Grade **7**

2009 Practice Set

38

Millie recorded the prices of all the plants she sold between noon and 1 P.M. at a nursery. At the end of the hour, she reviewed her list, as shown below.

\$2.95 \$8.50 \$12.95 \$3.50 \$4.50 \$14.50 \$12.95 \$4.50 \$3.50 \$12.95 \$8.50 \$4.50

Using Millie's list, complete the frequency table below to show how many plants were sold in each of the indicated price ranges.

Be sure to

- title the table
- label the columns
- record all the data

How many plant will sold from the noon to 1 p.m.

Price	n of plants
\$0.00-\$3.99	///
\$4.00-\$7.99	///
\$8.00-\$11.99	///
\$12.00-\$15.99	////

Which price range shows the least number of plants sold?

Answer \$ 0.00 to \$ 3.99

38

Millie recorded the prices of all the plants she sold between noon and 1 P.M. at a nursery. At the end of the hour, she reviewed her list, as shown below.

\$2.95 \$8.50 \$12.95 \$3.50 \$4.50 \$14.50 \$12.95 \$4.50 \$3.50 \$12.95 \$8.50 \$4.50

Using Millie's list, complete the frequency table below to show how many plants were sold in each of the indicated price ranges.

Be sure to

- title the table
- label the columns
- record all the data

number of Plants sold in each of the indicated Price Ranges

Range	Tally
\$0.00-\$3.99	
\$4.00-\$7.99	
\$8.00-\$11.99	
\$12.00-\$15.99	

Which price range shows the least number of plants sold?

Answer \$ 8.00 to \$ 11.99

38

Millie recorded the prices of all the plants she sold between noon and 1 p.m. at a nursery. At the end of the hour, she reviewed her list, as shown below.

~~\$2.95~~ ~~\$8.50~~ ~~\$12.95~~ \$3.50 \$4.50 ~~\$4.50~~ ~~\$12.05~~ ~~\$4.50~~ \$3.50 ~~\$12.95~~ ~~\$8.50~~ ~~\$4.50~~

Using Millie's list, complete the frequency table below to show how many plants were sold in each of the indicated price ranges.

Be sure to

- title the table
- label the columns
- record all the data

Millie's plant sales for one hour.

	Prices	Plant #'s
P r i c e s	\$0.00-\$3.99	0-3
	\$4.00-\$7.99	0-3
	\$8.00-\$11.99	0-2
	\$12.00-\$15.99	0-4

Which price range shows the least number of plants sold?

Answer \$ 0.00 to \$ 11.99

38

Millie recorded the prices of all the plants she sold between noon and 1 P.M. at a nursery. At the end of the hour, she reviewed her list, as shown below.

~~\$2.95~~ \$8.50 ~~\$12.95~~ ~~\$3.50~~ ~~\$4.50~~ \$14.50 ~~\$12.95~~ ~~\$4.50~~ ~~\$3.50~~ \$12.95 \$8.50 \$4.50

Using Millie's list, complete the frequency table below to show how many plants were sold in each of the indicated price ranges.

Be sure to

- title the table
- label the columns
- record all the data

Prices of plants sold between noon and 1 P.M.

noon	1 P.M.
\$0.00-\$3.99	\$2.95
\$4.00-\$7.99	\$4.50
\$8.00-\$11.99	\$8.50
\$12.00-\$15.99	\$12.95

Which price range shows the least number of plants sold?

Answer \$ 2.95 to \$ 12.95

38

Millie recorded the prices of all the plants she sold between noon and 1 P.M. at a nursery. At the end of the hour, she reviewed her list, as shown below.

\$2.95 \$8.50 \$12.95 \$3.50 \$4.50 \$14.50 \$12.95 \$4.50 \$3.50 \$12.95 \$8.50 \$4.50

Using Millie's list, complete the frequency table below to show how many plants were sold in each of the indicated price ranges.

Be sure to

- title the table
- label the columns
- record all the data

Plants Sold

Price	Amount
\$0.00-\$3.99	
\$4.00-\$7.99	
\$8.00-\$11.99	
\$12.00-\$15.99	

Which price range shows the least number of plants sold?

Answer \$ 4.00 to \$ 11.99

7th GRADE MATHEMATICS

Name: _____

PRACTICE SET ANSWER KEY

PS 1	(0-2)	
PS 2	(0-2)	
PS 3	(0-2)	
PS 4	(0-2)	
PS 5	(0-2)	
PS 6	(0-2)	
PS 7	(0-2)	
PS 8	(0-2)	
PS 9	(0-2)	
PS 10	(0-2)	
PS 11	(0-2)	
PS 12	(0-2)	
PS 13	(0-2)	
PS 14	(0-2)	
PS 15	(0-2)	
PS 16	(0-2)	
PS 17	(0-2)	
PS 18	(0-2)	
PS 19	(0-2)	
PS 20	(0-2)	

PS 21	(0-3)	
PS 22	(0-3)	
PS 23	(0-3)	
PS 24	(0-3)	
PS 25	(0-3)	
PS 26	(0-3)	
PS 27	(0-3)	
PS 28	(0-3)	
PS 29	(0-3)	
PS 30	(0-3)	
PS 31	(0-3)	
PS 32	(0-3)	
PS 33	(0-3)	
PS 34	(0-3)	
PS 35	(0-3)	
PS 36	(0-3)	
PS 37	(0-3)	
PS 38	(0-3)	
PS 39	(0-3)	
PS 40	(0-3)	