



New York State Testing Program

Mathematics Test

Grade **8**

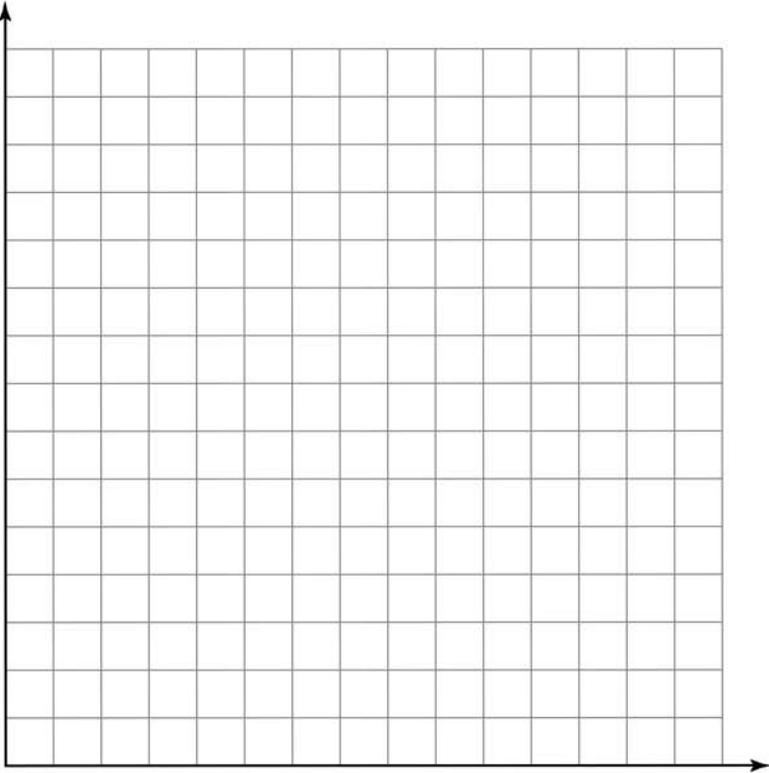
2009 Scoring Guide Part 2

43

Melinda makes hats to give as gifts. She needs 2 days to complete each hat. On the grid below, create a line graph that shows the relationship between the number of days it takes Melinda to make hats and the number of hats she completes.

Be sure to

- title your graph
- label the axes
- graph all the data



How many hats will Melinda make in 14 days?

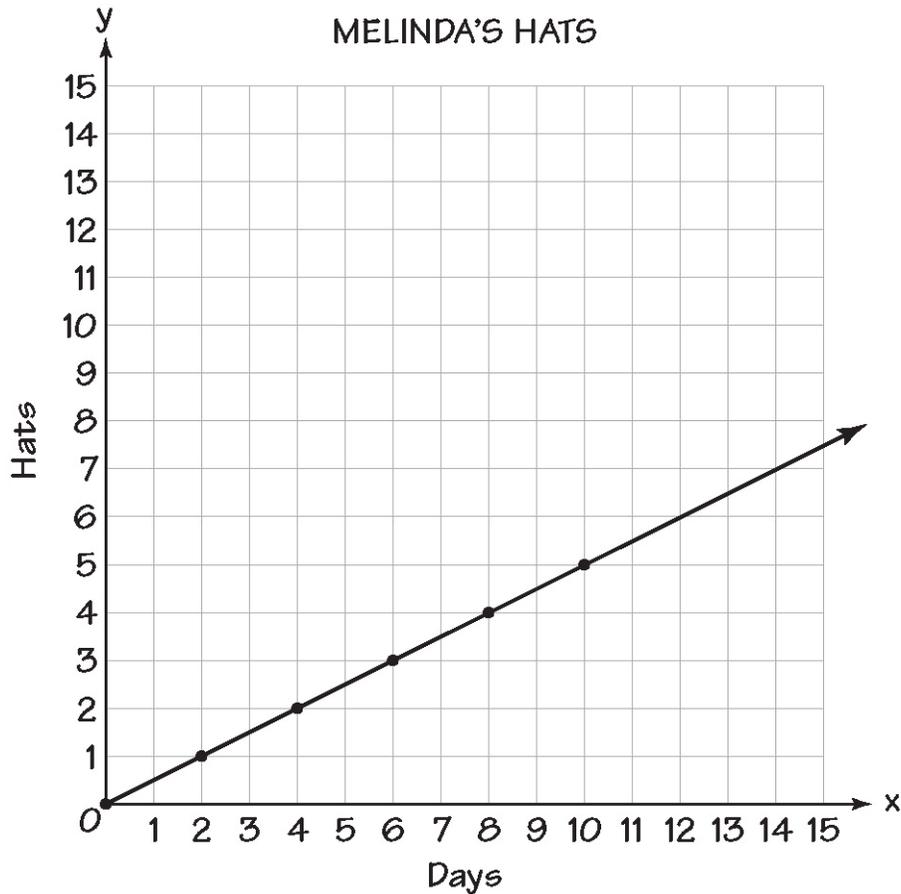
Answer _____ hats

QUESTION 43

STRAND 2: ALGEBRA

Complete and Correct Response:

•



OR other valid response

AND

• 7 (hats)

Score Points:

Apply 3-point holistic rubric.

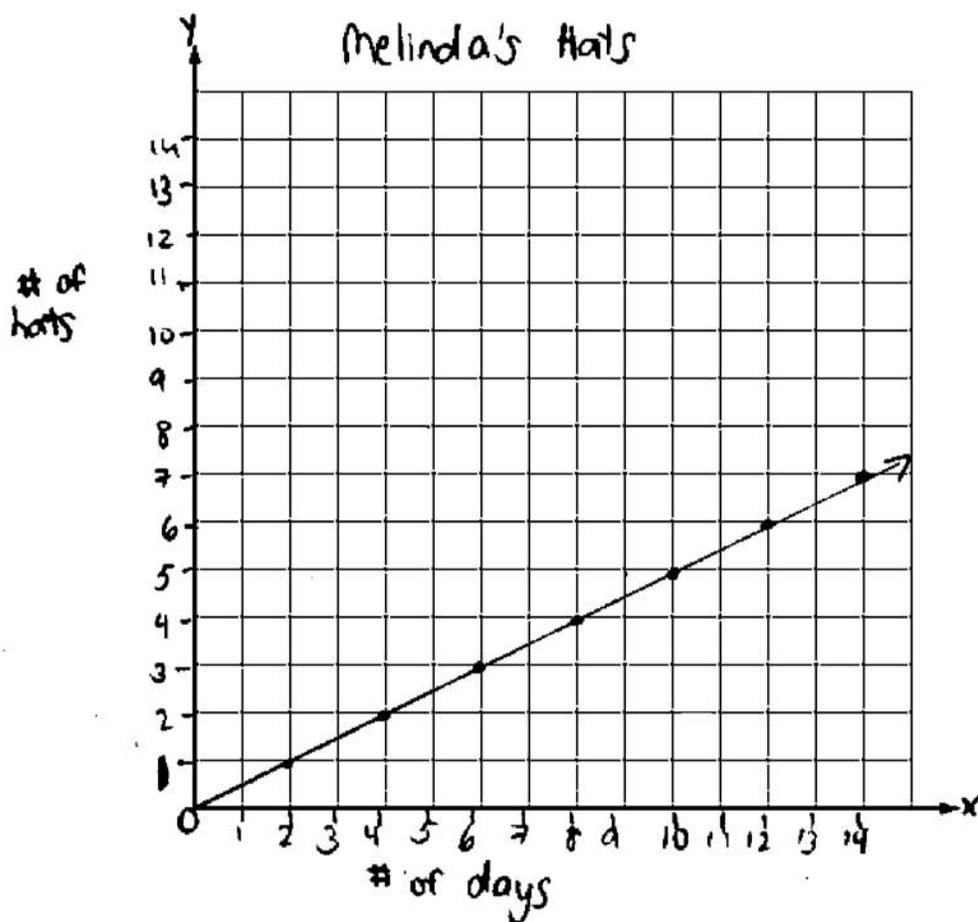
NOTE: For scoring instructions for the Braille version of this question, see *Scoring the Braille Edition*.

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How many hats will Melinda make in 14 days?

Answer 7 hats

This response is complete and correct.

Score Point 3

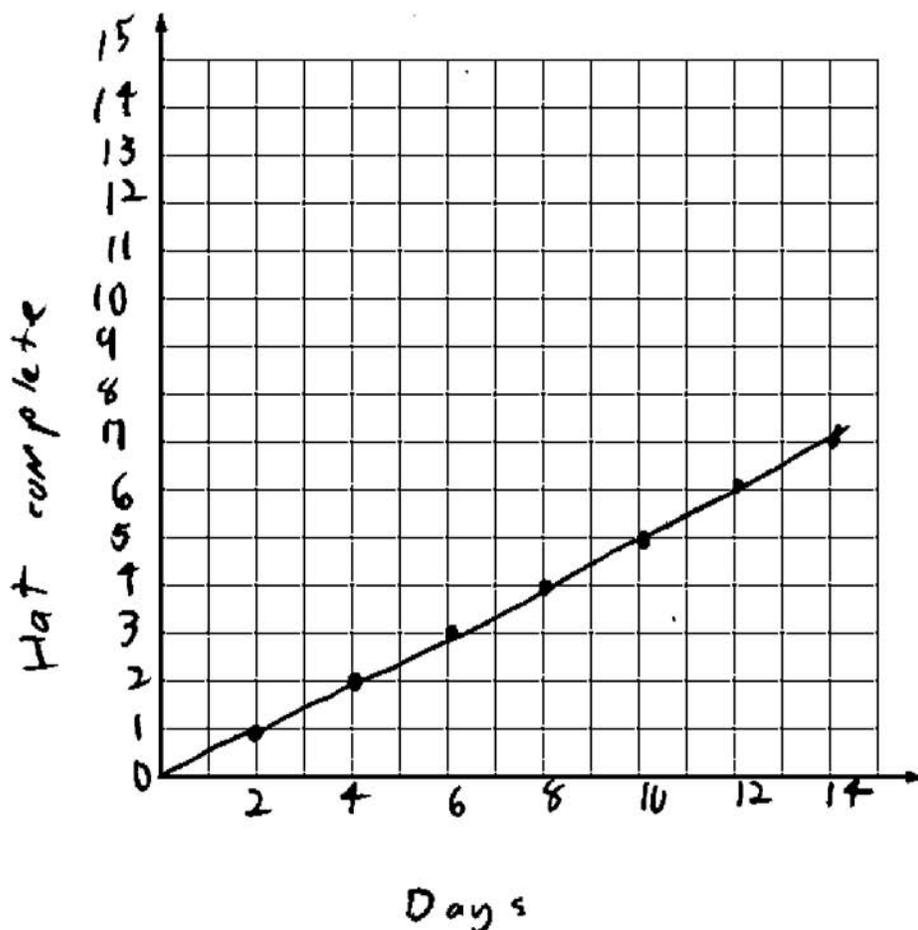
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- graph all the data

2 days - complete one hat



How many hats will Melinda make in 14 days?

Answer 7 hats

$$14 \div 2 = 7$$

This response is partially correct. Most aspects of the task are addressed correctly; however, the graph is missing a title and a line segment is provided instead of a ray.

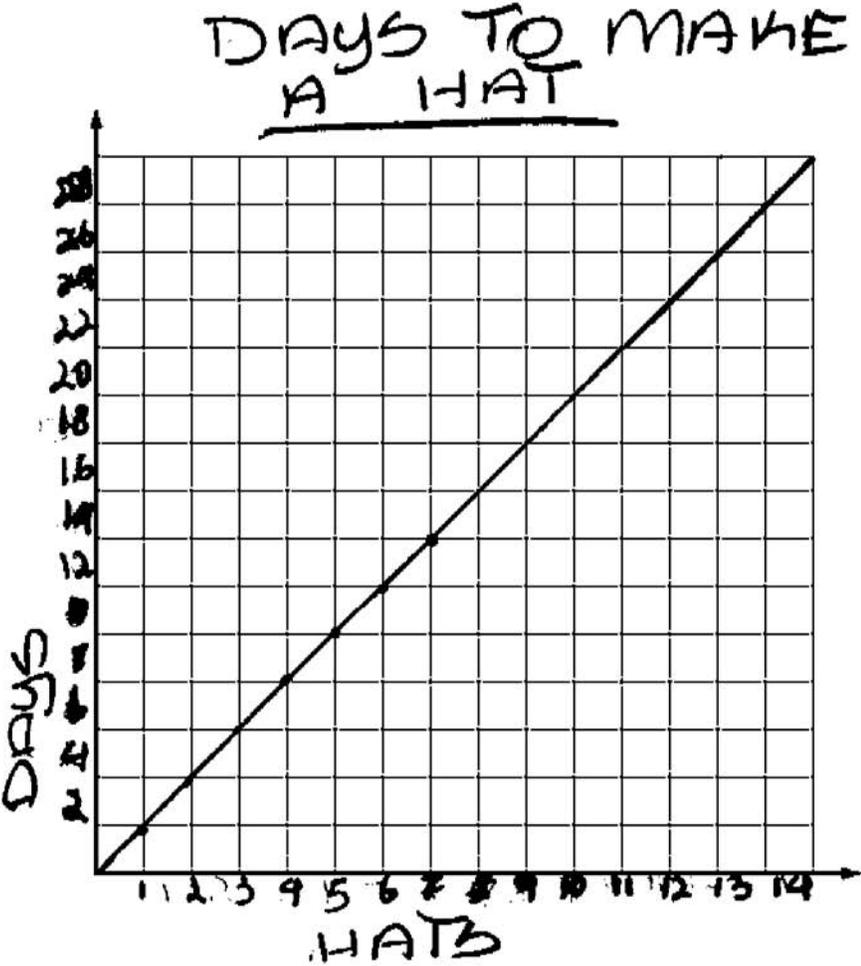
Score Point 2

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Be sure to

- title your graph
- label the axes
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How many hats will Melinda make in 14 days?

Answer 7 hats

This response is partially correct. A correct answer is provided and the points are plotted correctly on the graph; however, the graph contains the procedural error of reversing the Hats' and Days' axes and a line segment is provided instead of a ray.

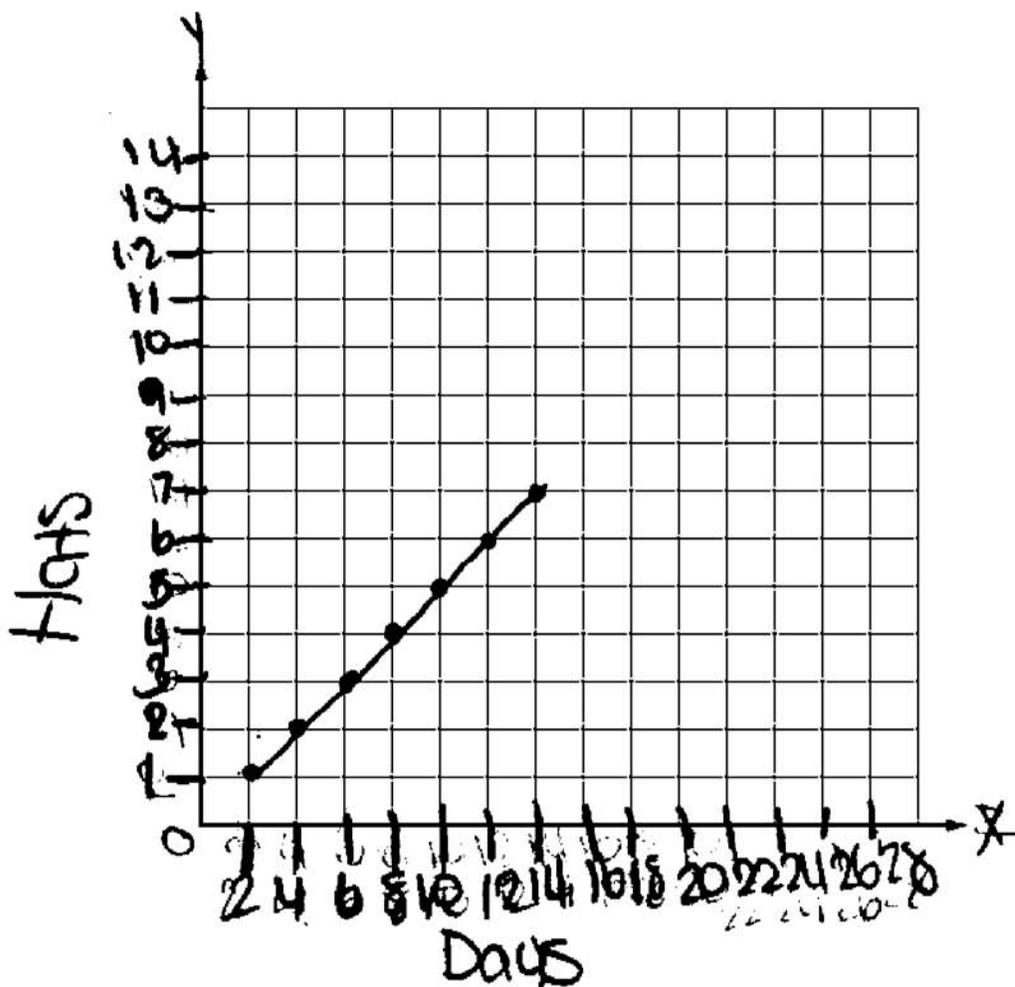
Score Point 2

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Be sure to

- title your graph
- label the axes
- graph all the data



How many hats will Melinda make in 14 days?

Answer 7 hats

This response is partially correct. A correct answer is provided and most aspects of the graph are correctly plotted; however, the graph is missing a title and the connection between the origin and the first point is missing. In addition, a line segment is provided instead of a ray.

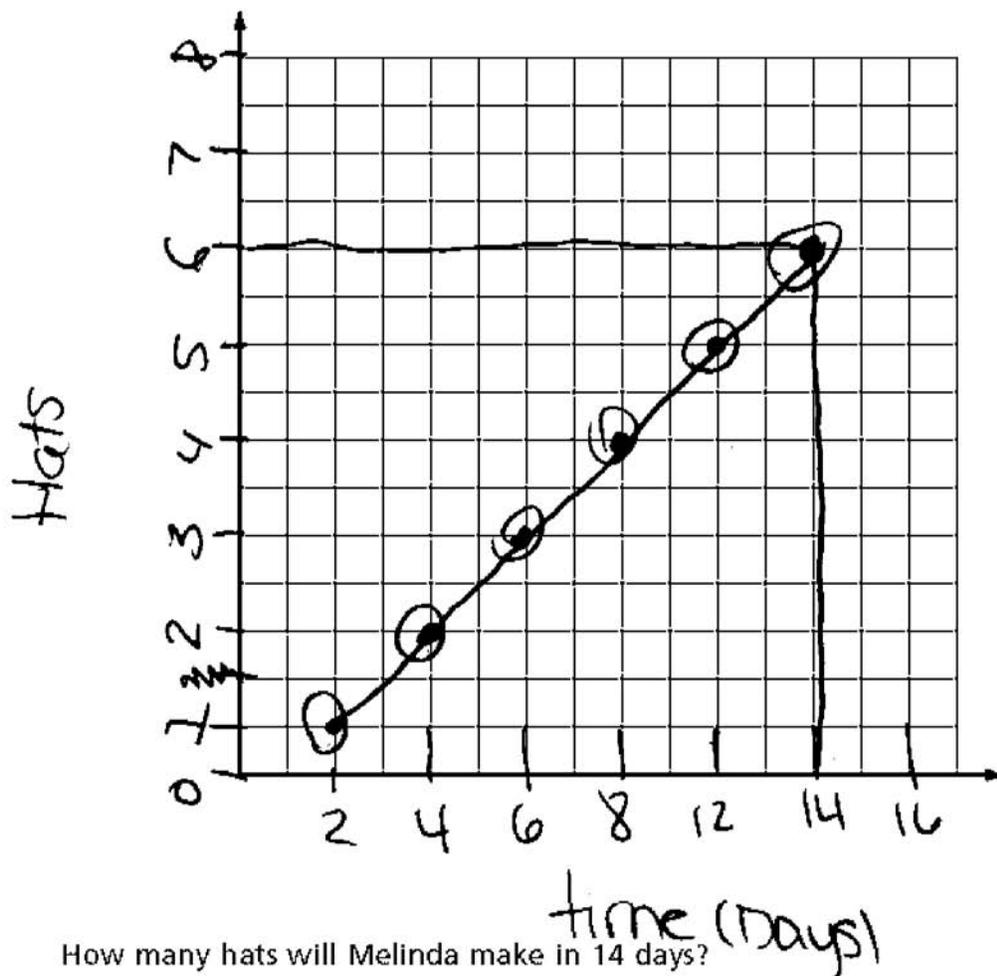
Score Point 2

- 43 Melinda makes hats to give as gifts. She needs 2 days to complete each hat. On the grid below, create a line graph that shows the relationship between the number of days it takes Melinda to make hats and the number of hats she completes.

Be sure to

- title your graph
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- graph all the data

Hats that Melinda will sell



How many hats will Melinda make in 14 days?

Answer 6 hats

This response demonstrates a limited understanding of the mathematical concepts embodied in the task. A transcription error in the labeling results in incorrect plotting. This error leads to an incorrect, but appropriate, answer according to the student's graph.

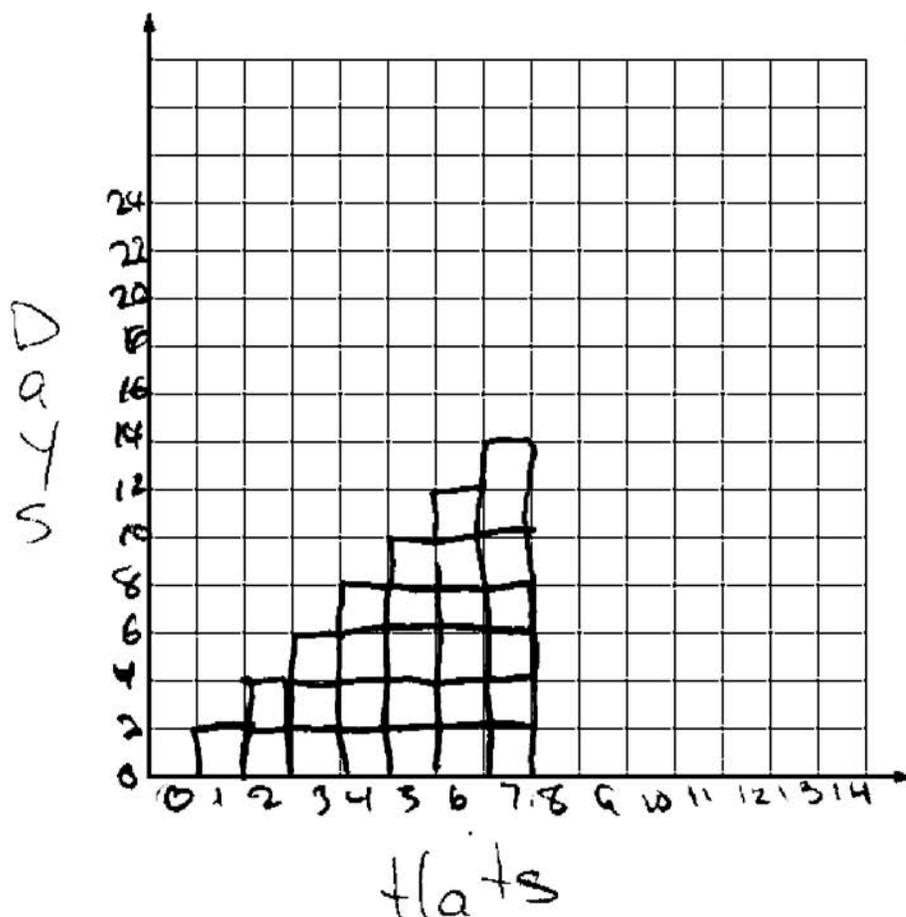
Score Point 1

43

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Be sure to

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How many hats will Melinda make in 14 days?

Answer 7 hats

This response demonstrates a limited understanding of the mathematical concepts embodied in the task. The correct answer is provided; however, the graphing is incorrect.

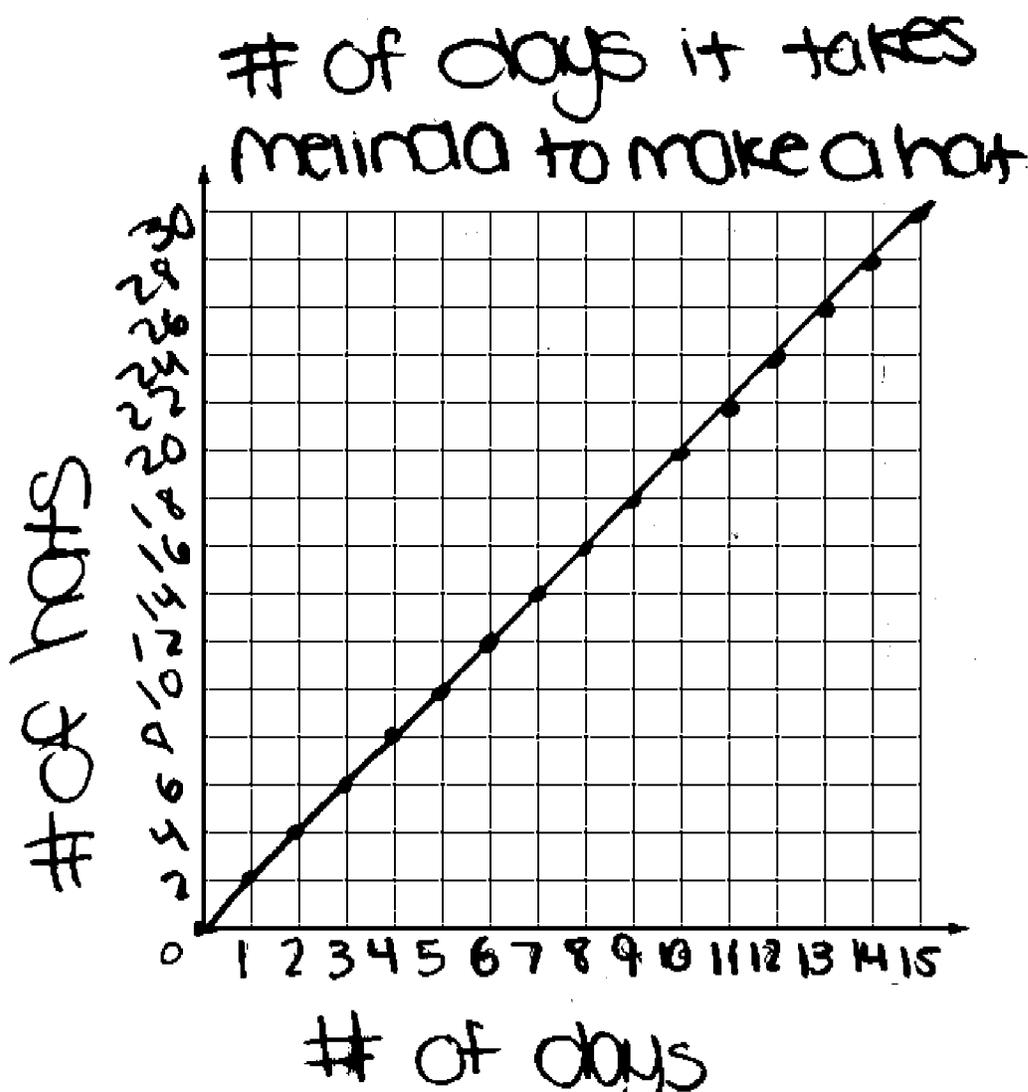
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How many hats will Melinda make in 14 days?

Answer 28 hats

$$14 \cdot 2 = 28$$

This response demonstrates a limited understanding of the mathematical concepts embodied in the task. The graph is correctly titled and labeled, but flawed. However, this flaw is followed through to get an appropriate answer according to the student's graph. This procedure is sufficient to demonstrate a limited understanding of the task.

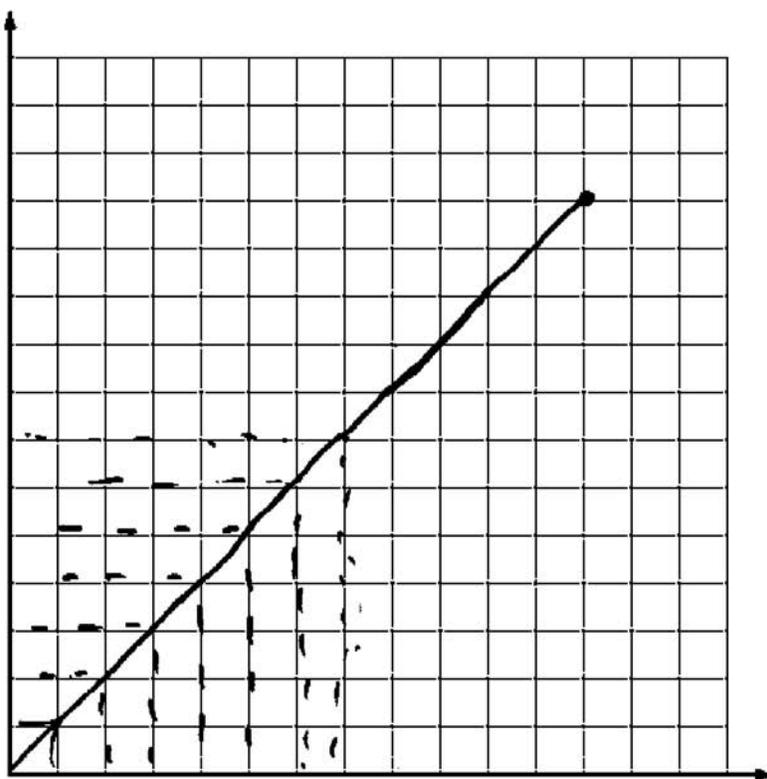
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How many hats will Melinda make in 14 days?

Answer 12 days hats

This response is incorrect.

Score Point 0

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New York State Testing Program

Mathematics Test

Grade **8**

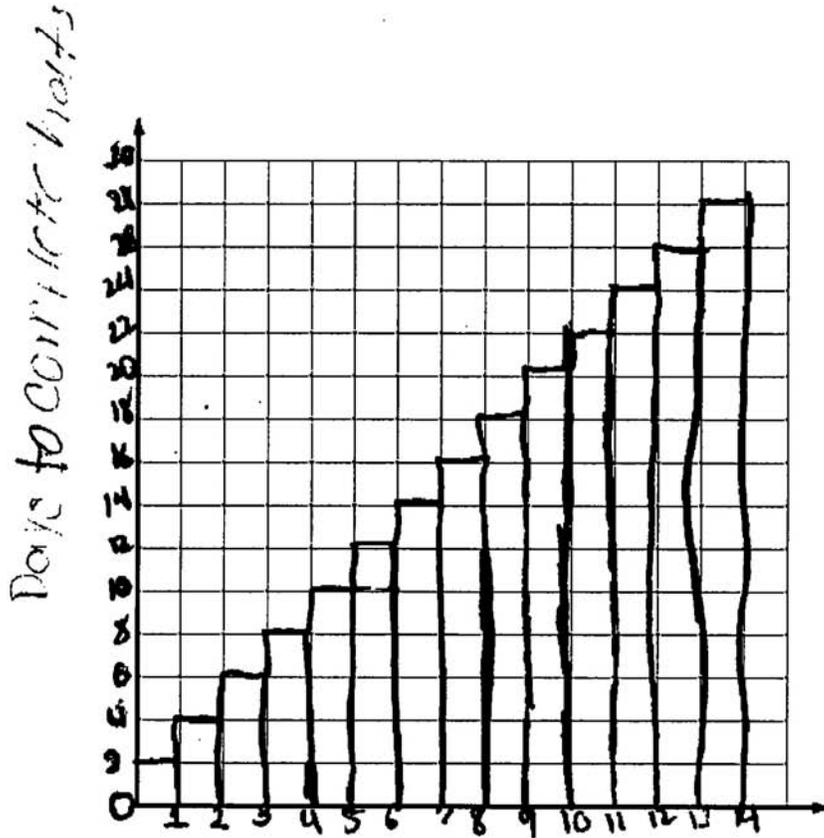
2009 Practice Test

43

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- title your graph
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How many hats will Melinda make in 14 days?

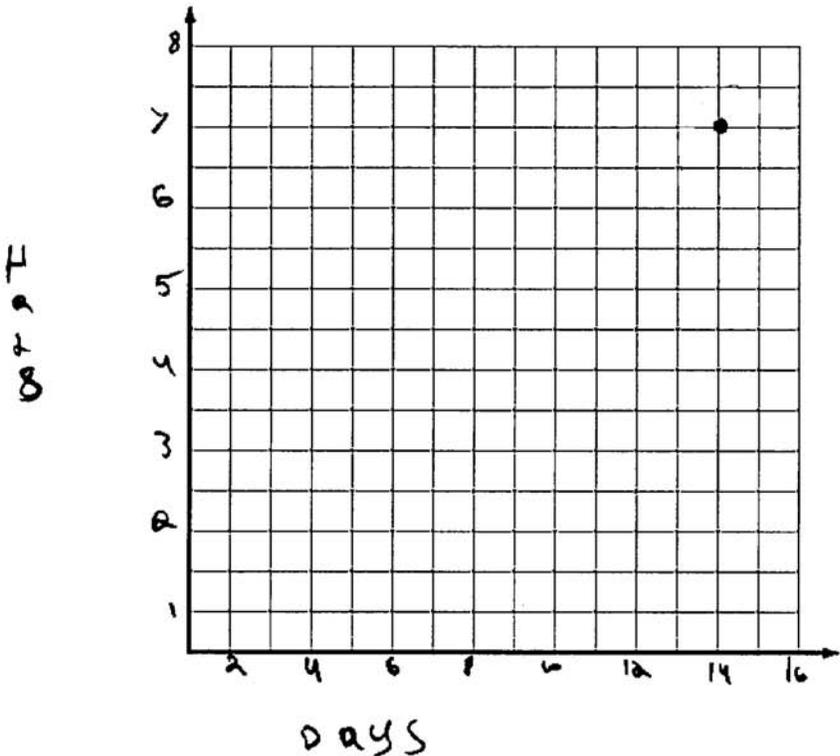
Answer 28 hats

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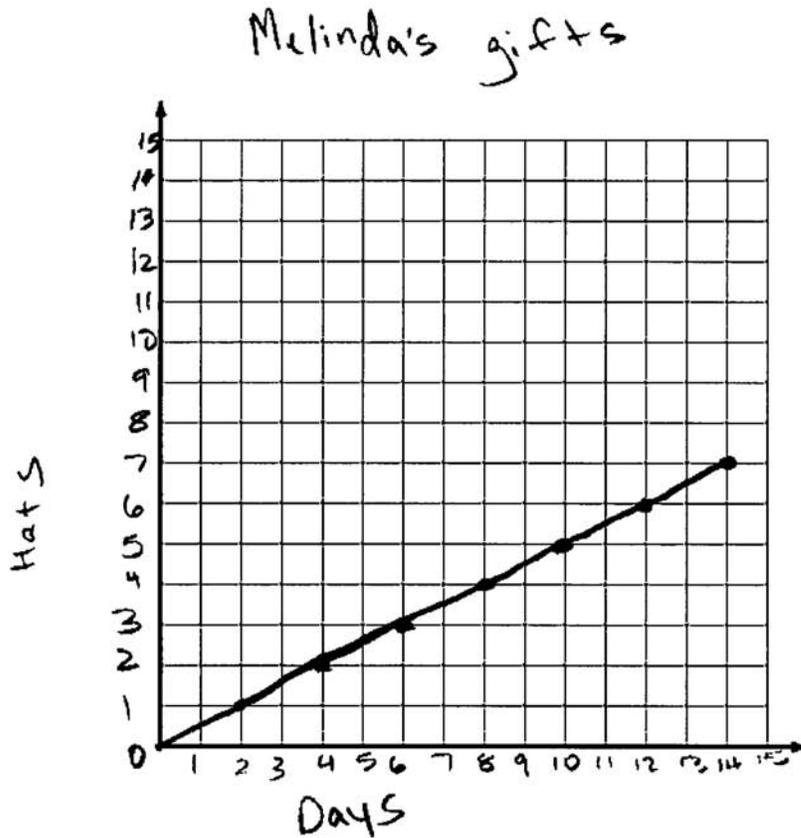
Answer 7 hats

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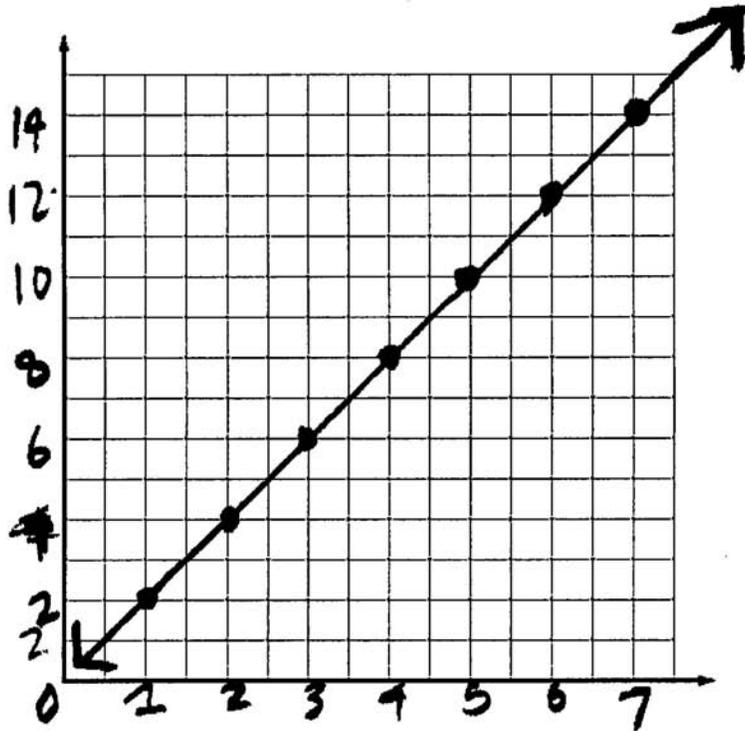
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How many hats will Melinda make in 14 days?

Answer 7 hats

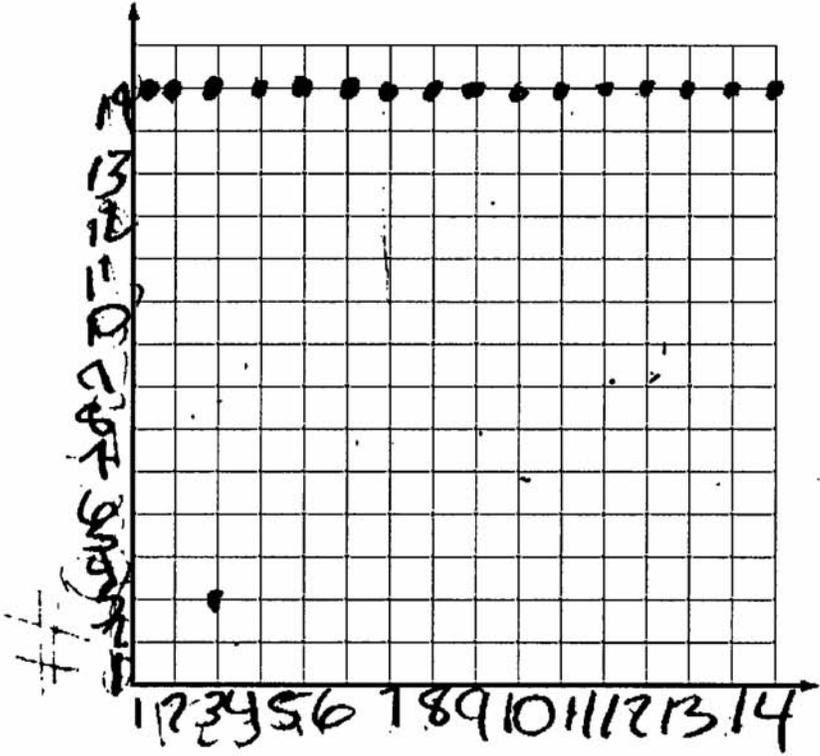
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Hats Shops



How many hats will Melinda make in 14 days?

Answer 10 hats

8th GRADE MATHEMATICS

Name: _____

PRACTICE SET ANSWER KEY

PS 1	(0-2)	1
PS 2	(0-2)	1
PS 3	(0-2)	0
PS 4	(0-2)	1
PS 5	(0-2)	2
PS 6	(0-2)	2
PS 7	(0-2)	0
PS 8	(0-2)	2
PS 9	(0-2)	1
PS 10	(0-2)	2
PS 11	(0-2)	2
PS 12	(0-2)	0
PS 13	(0-2)	1
PS 14	(0-2)	1
PS 15	(0-2)	2
PS 16	(0-2)	2
PS 17	(0-2)	1
PS 18	(0-2)	0
PS 19	(0-2)	2
PS 20	(0-2)	1
PS 21	(0-3)	2
PS 22	(0-3)	3
PS 23	(0-3)	0
PS 24	(0-3)	1
PS 25	(0-3)	2

PS 26	(0-3)	3
PS 27	(0-3)	1
PS 28	(0-3)	0
PS 29	(0-3)	1
PS 30	(0-3)	2
PS 31	(0-2)	1
PS 32	(0-2)	0
PS 33	(0-2)	2
PS 34	(0-2)	2
PS 35	(0-2)	1
PS 36	(0-2)	1
PS 37	(0-2)	2
PS 38	(0-2)	1
PS 39	(0-2)	1
PS 40	(0-2)	2
PS 41	(0-2)	1
PS 42	(0-2)	0
PS 43	(0-2)	2
PS 44	(0-2)	2
PS 45	(0-2)	1
PS 46	(0-2)	0
PS 47	(0-2)	2
PS 48	(0-2)	1
PS 49	(0-2)	2
PS 50	(0-2)	1

