



New York State Testing Program

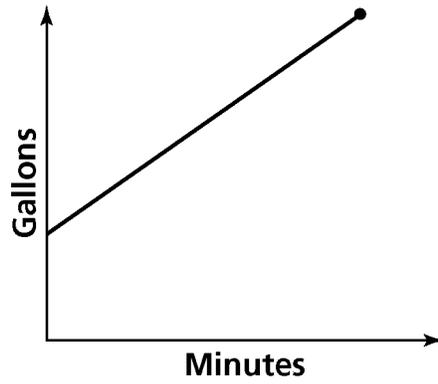
Mathematics Test

Grade **8**

2009 Scoring Guide Part 2

40

On the lines below, describe a situation that could be represented by the graph shown below.



On the lines below, explain the reason the graph does not pass through the origin in the situation you described.

QUESTION 40

STRAND 2: ALGEBRA

Complete and Correct Response:

- It could be a graph of the amount of water entering a swimming pool as it is being filled.
OR other valid response

AND

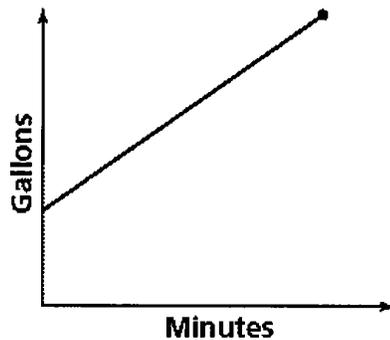
- The pool was not empty beforehand.
OR other valid response

Score Points:

Apply 2-point holistic rubric.

40

On the lines below, describe a situation that could be represented by the graph shown below.



Shawn opened up his pool and noticed it was a quarter filled. He needed to fill up his pool. He started filling up the pool and noticed that every minute that had passed, half a gallon of water went into the pool.

On the lines below, explain the reason the graph does not pass through the origin in the situation you described.

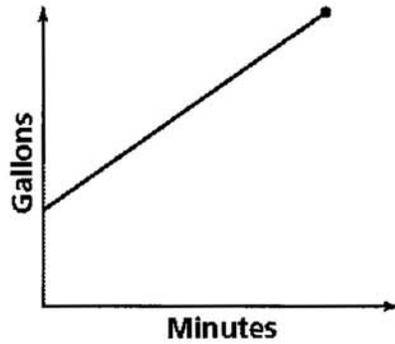
The graph does not go through the origin because according to my situation, there was already water in the pool. As time started to increase, so did the number of gallons.

This response is complete and correct.

Score Point 2

40

On the lines below, describe a situation that could be represented by the graph shown below.



A boy filled a tank with water and timed how long it would take for the tank to fill up.

On the lines below, explain the reason the graph does not pass through the origin in the situation you described.

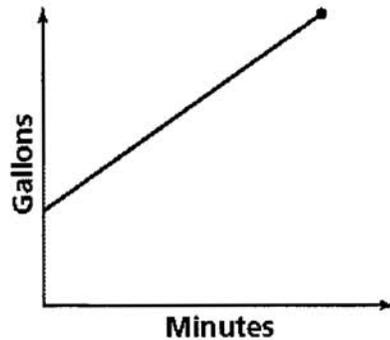
The graph does not pass through the origin because the gallons do not start at zero.

This response is only partially correct. A correct situation represented by the graph is described; however, the explanation as to why the graph does not pass through the origin is insufficient.

Score Point 1

40

On the lines below, describe a situation that could be represented by the graph shown below.



What could be represented is
how many gallons it takes
in a certain amount,

On the lines below, explain the reason the graph does not pass through the origin in the situation you described.

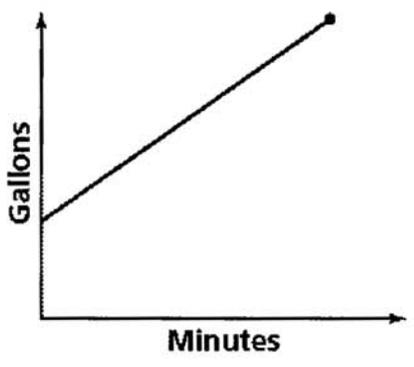
It doesn't start at the origin
because it already had some
water in it, and that it already
had gallons,

This response is only partially correct. A correct explanation as to why the graph does not pass through the origin is provided; however, a specific situation represented by the graph is not described.

Score Point 1

40

On the lines below, describe a situation that could be represented by the graph shown below.



In a scientific lab, two gallons of water can be filled up per minute.

On the lines below, explain the reason the graph does not pass through the origin in the situation you described.

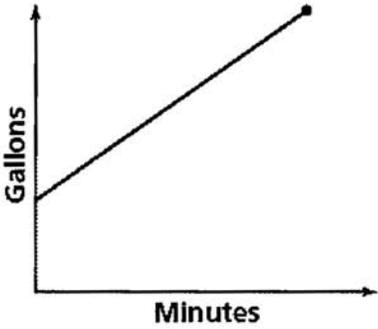
The reason why the graph does not pass through the origin, is because the pace is not changing.

This response is only partially correct. A correct situation represented by the graph is described; however, the explanation is incorrect.

Score Point 1

40

On the lines below, describe a situation that could be represented by the graph shown below.



As gallons increases minutes decrease.

On the lines below, explain the reason the graph does not pass through the origin in the situation you described.

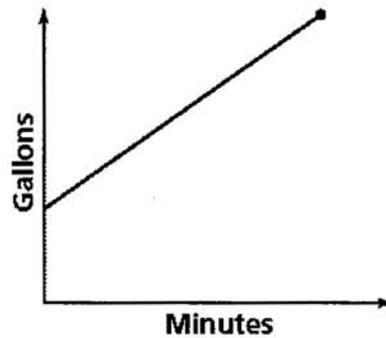
ITS because there had never 0 gallons

This response is incorrect. A specific situation represented by the graph is not described, and the explanation as to why the graph does not pass through the origin is incorrect.

Score Point 0

40

On the lines below, describe a situation that could be represented by the graph shown below.



This graph shows how many gallons per minute they fill up.

On the lines below, explain the reason the graph does not pass through the origin in the situation you described.

Because in the graph it goes up by a lot of mins and in the left it says Gallons and in the right minutes.

This response is incorrect.

Score Point 0



New York State Testing Program

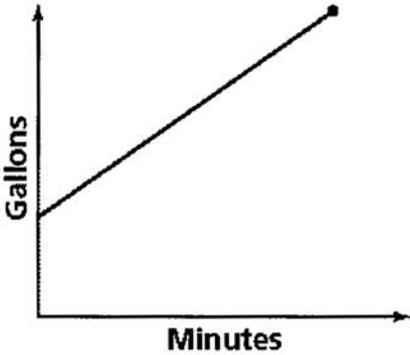
Mathematics Test

Grade **8**

2009 Practice Test

40

On the lines below, describe a situation that could be represented by the graph shown below.



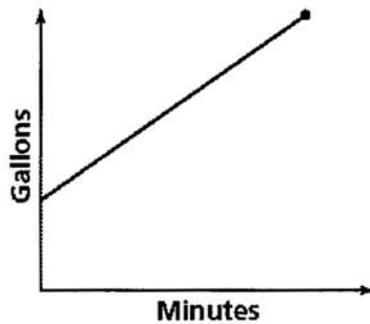
This graph could show how each minute
a gallon of an object goes up.

On the lines below, explain the reason the graph does not pass through the origin in the situation you described.

Because it doesn't start at 0.

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On the lines below, describe a situation that could be represented by the graph shown below.



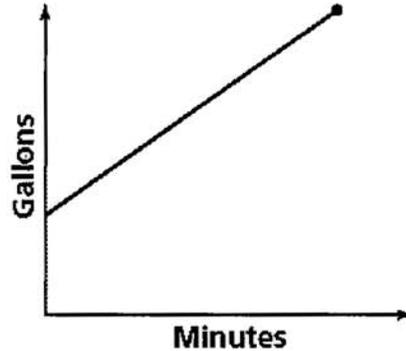
The pool started out with 10 gallons of water. After each minute the pool gained 3 more gallons of water. Until 10 minutes the pool was filled with 30 gallons of water.

On the lines below, explain the reason the graph does not pass through the origin in the situation you described.

The graph doesn't pass through the origin because it started with water in the pool. Also there can not be negative gallons in a pool. But the graph will not pass through the origin.

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On the lines below, describe a situation that could be represented by the graph shown below.



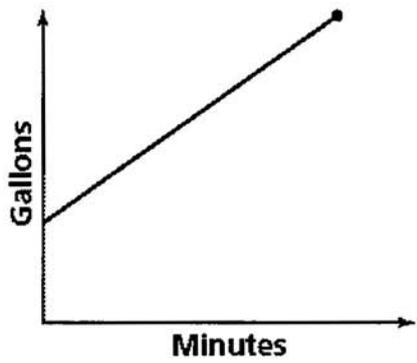
As the amount of gallons are filled, the
increases, the time in minutes increases,

On the lines below, explain the reason the graph does not pass through the origin in the situation you described.

It does not pass through the origin
because the gallons have already been
filled.

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On the lines below, describe a situation that could be represented by the graph shown below.



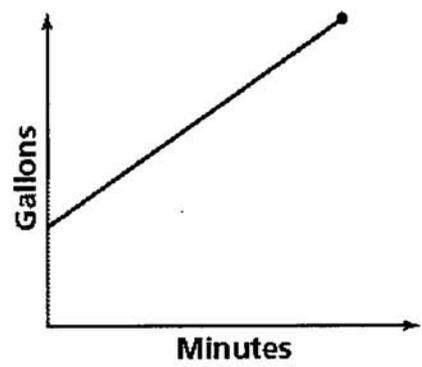
The longer the time, more gallons.

On the lines below, explain the reason the graph does not pass through the origin in the situation you described.

It is a direct relationship

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On the lines below, describe a situation that could be represented by the graph shown below.



CHUCK NARRIS fills up his pool
with water. The pool was already filled
with 80 gallons of water but as
time moves on Chuck narris fills the
pool with ~~80~~ 300 gallons of water after
a matter of 15 minutes

On the lines below, explain the reason the graph does not pass through the origin in the situation you described.

?

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

