

NECAP Practice Test

Grade 5

Mathematics

Non-Calculator Short-Answer Item (2 points)

- 6 Nathan, Alicia, and Taylor each ride to school on a bike.
- Nathan rides his bike m miles.
 - Alicia rides her bike 3 times as many miles as Nathan does.
 - Taylor rides his bike 4 more miles than Nathan does.
- a. Use m to write an expression for the number of miles Alicia rides her bike.
- b. Use m to write an expression for the number of miles Taylor rides his bike.

Scoring Guide

Score	Description
2	Student answered both parts correctly.
1	Student answers one part correctly.
0	Response is incorrect or contains some correct work that is irrelevant to the skill or concept being measured.
Blank	No response.

Sample Responses:

Part a: $3 \cdot m$ or equivalent

Part b: $m + 4$ or equivalent

* All students were provided the same amount of space in which to write their answers. For the purposes of this document, extraneous white space was removed from each student work sample to save space.

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Sample 2-Point Response A

$$m \times 3 = ?$$

$$m + 4 = ?$$

Sample 2-Point Response B

A, $M \times 3 = C$ C is as far as Alicia goes
B $M + 4 = 6$ 6 is as far Taylor goes

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Sample 1-Point Response A

$m \times 4$ is the expression for how many miles Taylor rides his bike.

$m \times 3$ is the expression for how many miles Alicia rides her bike.

Sample 1-Point Response B

a) $m \times 3$

b) $m \times 4$