

# NECAP Practice Test

## Grade 5

### Mathematics

#### Calculator-Active Short-Answer Item (2 points)

- 7 Look at this number sentence.

$$747 = 22 \text{ tens} + \square \text{ hundreds} + \triangle \text{ ones.}$$

Find one number for  $\square$  and one number for  $\triangle$  that make the number sentence true. Show your work or explain how you know.

#### Scoring Guide

Score	Description
2	Student gives correct values for the square and triangle that, when added, will make the number 747 and provides appropriate work or explanation.
1	Student gives correct values for the square and triangle but does not provide work or explanation. OR Work or explanation provided shows correct strategy but there is a computation error.
0	Response is incorrect or contains some correct work that is irrelevant to the skill or concept being measured.
Blank	No response.

#### Sample Responses:

Square = 5 and Triangle = 27;  $747 - 220 = 527 = 5$  hundreds plus 27 ones

Square = 4 and Triangle = 127;  $747 - 220 = 527 = 4$  hundreds plus 127 ones

Square = 3 and Triangle = 227;  $747 - 220 = 527 = 3$  hundreds plus 227 ones

Square = 2 and Triangle = 327;  $747 - 220 = 527 = 2$  hundreds plus 327 ones

Square = 1 and Triangle = 427;  $747 - 220 = 527 = 1$  hundreds plus 427 ones

Square = 0 and Triangle = 527;  $747 - 220 = 527 = 0$  hundreds plus 527 ones

\* 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

$$747 = 22 \text{ tens} +$$
$$\boxed{5} + \triangle 27$$
$$747 - 220 = 527$$

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**Sample 1-Point Response**

$$\square = 5 \Delta = 27$$