## **Unit 3 Open Response Assessment**

## Finding a Mistake in a Subtraction Problem

Mia wants to solve this problem: 552 - 153 = ?She begins by making an estimate.

Estimate: <u>550 - 150 = 400</u>

Then she uses expand-and-trade subtraction to find an exact answer, but her answer is not close to her estimate. This is her work:

"Oops," said Mia, "I didn't cross out 500 and write 400." Explain **why** not changing 500 to 400 is a mistake.

(Hint: Use what you know about place value in your answer.)