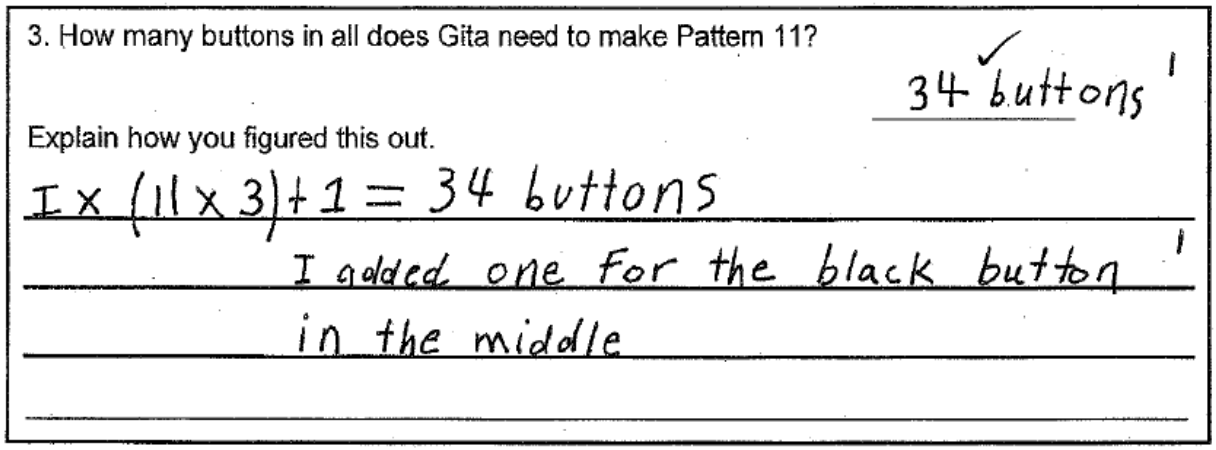
Learner A:



3. How many buttons in all does Gita need to make Pattern 11?

34 buttons ✓ 1

Explain how you figured this out.

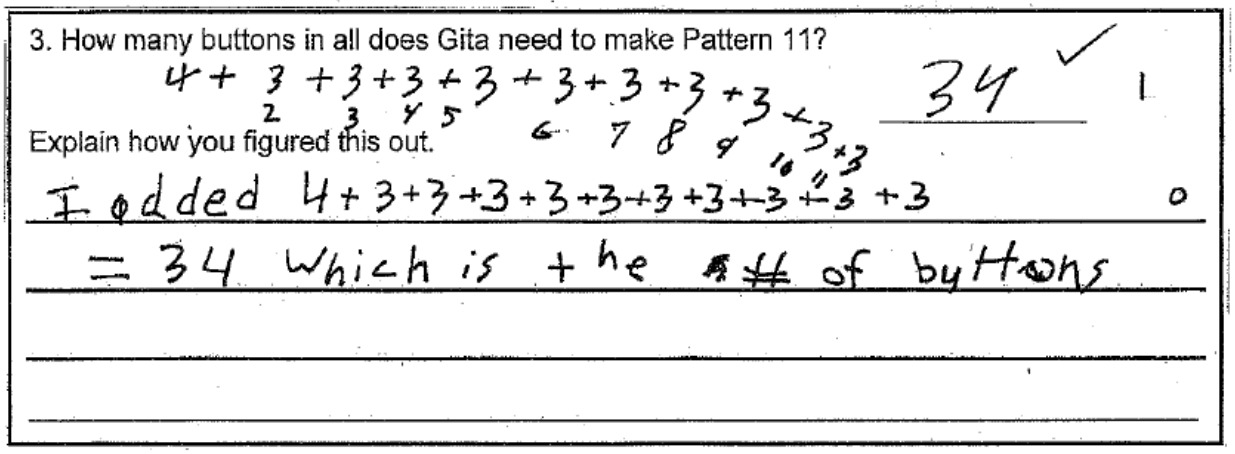
I x (11 x 3) + 1 = 34 buttons

I added one for the black button 1

in the middle

Observation:

Learner B:



3. How many buttons in all does Gita need to make Pattern 11?

4 + 3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 + 3

2 3 4 5 6 7 8 9 10 11

34 ✓ 1

Explain how you figured this out.

I added 4 + 3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 0

= 34 which is the # of buttons

Obervation: