

2009-10 NYSAA Fall Administration Training

Guided Practice #3 – Calculation of Level of Accuracy and Level of Independence

1.) Calculate the level of accuracy:

Fifteen addition and subtraction problems are presented to the student. The student gets 8 problems correct and the rest wrong. **$8/15 = 53\%$ (there are eight problems correct divided by the total number of problems)**

2.) Calculate the level of independence:

Three comprehension questions are presented to the student. The student receives two prompts on question 1 and no prompts on question 2 and 3. **$2/3 = 67\%$ (there are two questions that did not require any prompting divided by the total number of questions)**

3.) Calculate the level of accuracy:

The student is working on identifying rights of citizens guaranteed by the Bill of Rights. Student is presented with 5 different choices on a worksheet (2 correct and 3 incorrect). The student marked 1 of the correct responses and 1 of the incorrect responses. **$3/5 = 60\%$ (there are three correct responses counting the one correct choice that was marked and the two other incorrect choices that were not marked divided by the total number of possible responses)**

4.) Calculate the level of independence:

The student is working on ordering five different numerals. After the initial directions were given, the student was prompted to refocus on three of the numerals. The student was able to order two of the numerals without prompts. **$2/5 = 40\%$ (there are two numerals that did not require any prompting divided by the total number of numerals being ordered)**

Joshua's Example:

1.) Are the questions the student got wrong clearly marked?(Y/N) **Not clearly for all, some see a check as indicating a wrong response and some see a check as indicating a correct response. In this work sample, the checks are for incorrect responses.**

2.) Did the teacher calculate the level of accuracy correctly? (Y/N) **Yes, since the teacher used the checks to indicate an incorrect response. $2/5 = 40\%$**

3.) The check marks on the student work product seem to indicate incorrect responses, but this may be unclear for an outside observer. How could the teacher clarify the student performance? **The teacher could label each item with a plus or minus for accuracy and for independence. (Note: participants could come up with other ways)**

Jan's Example:

1.) Are the questions the student got wrong clearly marked?(Y/N) **No**

2.) Did the teacher calculate the level of accuracy correctly? (Y/N) **No**

3.) What should the level of accuracy be? **2 correct problems / 3 total problems = $0.66666 \times 100 = 67\%$**

4.) What would the level of independence be if the student was prompted twice on the last word problem? **2 problems completed without prompting / 3 total problems = $0.66666 \times 100 = 67\%$**

Ann's Example:

1.) Is the question the student was prompted on clearly marked?(Y/N) **Yes**

2.) Did the teacher calculate the level of independence correctly? (Y/N) **Yes**

3.) In this example the calculation was based on a total of six questions. Could the teacher calculate the student performance based on the total number of response lines (eight)? (Y/N) **Yes (Note: in this example, it would be appropriate if the teacher wanted to count each response line instead of the question as a whole)**

John's Example:

1.) Did the teacher calculate the level of accuracy and level of independence correctly? (Y/N) **Yes**

2.) What would the level of accuracy and level of independence be if the student labeled a continent incorrectly (i.e., wrote Australia on the Asia continent) but then self-corrected independently? **It would be 100% Accuracy and 100% Independence. It is okay for a student to self-correct and would not count as a prompt.**

3.) What would the level of independence be if the student labeled North America and two continents and then was prompted to label one more continent and did so accurately? **Only one out of four continents needed a prompt. The independence would be 3 responses completed without prompting / 4 total responses = 75%. The accuracy would be 100%.**

NAME: _____

DATE: _____

From the pictures below, identify the ones that represent rights of citizens guaranteed by the Bill of Rights. Circle your answers.

