

## Module IV

### How can the interpretation of item analysis data inform your decisions about curriculum, instruction and assessment?

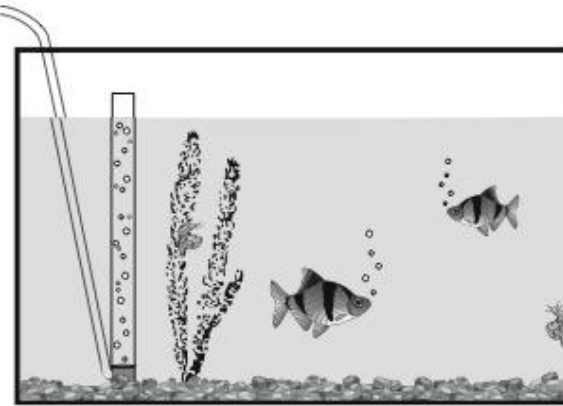
We recommend that you take this post-test to evaluate the knowledge you have gained about the interpretation and use of item analysis data. Reflect on how your thinking has changed since taking the pre-test.

Name: \_\_\_\_\_ Data of course: \_\_\_\_\_

### Interpretation and Use of Item Analysis Data

#### Part One - Multiple Choice Question Analysis – Science 2007, Grade 5, Ohio Achievement Test

An air hose extends above and below the surface of the water.



Which statement explains why the air hose looks broken at the surface of the water?

- Light is refracted as it moves from air to water.
- Light is reflected as it moves from air to water.
- Light is absorbed as it moves from air to water.
- Light is destroyed as it moves from air to water.

Please complete the following information concerning this test question. Use the other side of this form for additional space to record your responses.

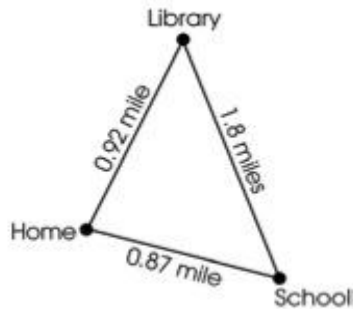
- Thinking like a fifth grade student, what might be confusing about this graphic?
- Are there words in the question or possible answers that might confuse students?
- If you listed words for the above question, please identify these words as being either content or process words.
- Identify the performance verb in the question. Why is it important?
- This question reflects the following level in Bloom's Taxonomy: (please circle as many as apply)
  - Knowledge/Recall
  - Application
  - Comprehension
  - Analysis
  - Syntheses
  - Evaluation
- Explain what makes the distractors plausible.

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#### Part Two - Constructed Response Question Analysis – Mathematics 2006, Grade 5, Ohio Achievement Test

The diagram shows how far it is from Anna’s home to her school, from her school to the library, and from the library to her home.



Each school day, Anna rides her bike from her home to her school. After school, she rides to the library and then home. On Saturday, Anna rides her bike from home to the library and back home. She does not ride her bike on Sunday. Anna’s mother says that her daughter rides about 30 miles every week between her home, the school, and the library.

In your **Answer Document**, use estimation to determine whether Anna’s mother has made a reasonable estimate. Show or explain your work. (4 points)

Please complete the following information concerning this test question. Use the other side of this form for additional space to record your responses.

1. Thinking like a fifth grade student, what might be confusing about this graphic?
  
2. Are there words in the question that might confuse students?
  
3. What exactly is the question asking students to do?
  
4. What do students have to do to answer the question?
  
5. What needs to be included for this to be a complete, correct answer?

## Curriculum, Instruction and Assessment Practices

Please indicate your level of agreement with the following statements.

- a. Our school curriculum is aligned to the district and/or state content standards.  
 Strongly Disagree  Disagree  Unsure  Agree  Strongly Agree  N/A
- b. I use the curriculum to develop instructional plans for the year.  
 Strongly Disagree  Disagree  Unsure  Agree  Strongly Agree  N/A
- c. I know which content standards are relevant to most lessons I teach.  
 Strongly Disagree  Disagree  Unsure  Agree  Strongly Agree  N/A
- d. I feel comfortable teaching the standards.  
 Strongly Disagree  Disagree  Unsure  Agree  Strongly Agree  N/A
- e. Our school uses several types of assessments to monitor student progress and achievement.  
 Strongly Disagree  Disagree  Unsure  Agree  Strongly Agree  N/A
- f. My classroom assessments are closely aligned to the state standards.  
 Strongly Disagree  Disagree  Unsure  Agree  Strongly Agree  N/A
- g. Teachers at my school share instructional strategies and materials that they are developing with their colleagues.  
 Strongly Disagree  Disagree  Unsure  Agree  Strongly Agree  N/A
- h. Teachers at my school ask each other for advise or help with a teaching problem.  
 Strongly Disagree  Disagree  Unsure  Agree  Strongly Agree  N/A
- i. Most teachers at my school help each other provide effective instruction.  
 Strongly Disagree  Disagree  Unsure  Agree  Strongly Agree  N/A

## Data-Driven Culture

Please indicate your level of agreement with the following statements.

- a. I feel that student performance data are important to the instructional process.  
 Strongly Disagree  Disagree  Unsure  Agree  Strongly Agree  N/A
- b. Staff members in my school are in agreement that student performance data are important to the instructional process.  
 Strongly Disagree  Disagree  Unsure  Agree  Strongly Agree  N/A
- c. Using student performance data has had a positive impact on instruction in my classroom.  
 Strongly Disagree  Disagree  Unsure  Agree  Strongly Agree  N/A
- d. Using student performance data has had a positive impact on instruction in my building.  
 Strongly Disagree  Disagree  Unsure  Agree  Strongly Agree  N/A
- e. State tests provide useful data for guiding my instruction.  
 Strongly Disagree  Disagree  Unsure  Agree  Strongly Agree  N/A
- f. Staff members in my school examine data together to identify areas for improvement.  
 Strongly Disagree  Disagree  Unsure  Agree  Strongly Agree  N/A

## Session Delivery Questions

Please indicate your level of agreement with the following statements.

- a. The accompanying visual materials contributed to my learning experience.  
 Strongly Disagree  Disagree  Unsure  Agree  Strongly Agree  N/A
- b. The course facilitator(s) was/were well-prepared.  
 Strongly Disagree  Disagree  Unsure  Agree  Strongly Agree  N/A

- c. The session agenda was clear.  
 Strongly Disagree  Disagree  Unsure  Agree  Strongly Agree  N/A
- d. When participating in the session, I had the opportunity to learn from my peers.  
 Strongly Disagree  Disagree  Unsure  Agree  Strongly Agree  N/A
- e. Overall, the session was informative to me.  
 Strongly Disagree  Disagree  Unsure  Agree  Strongly Agree  N/A
- f. The course facilitator(s) used presentation techniques that made concepts easy to understand.  
 Strongly Disagree  Disagree  Unsure  Agree  Strongly Agree  N/A
- g. Overall, the session was useful to me.  
 Strongly Disagree  Disagree  Unsure  Agree  Strongly Agree  N/A
- h. I would recommend this session to my colleagues.  
 Strongly Disagree  Disagree  Unsure  Agree  Strongly Agree  N/A
- i. This session tried to cover too much material.  
 Strongly Disagree  Disagree  Unsure  Agree  Strongly Agree  N/A
- j. The stated competencies accurately reflect what I can now do as a result of this session.  
 Strongly Disagree  Disagree  Unsure  Agree  Strongly Agree  N/A
- k. The facilitator(s) used instructional strategies that were appropriate for my learning needs.  
 Strongly Disagree  Disagree  Unsure  Agree  Strongly Agree  N/A
- l. I learned best practices that I can apply in my current position.  
 Strongly Disagree  Disagree  Unsure  Agree  Strongly Agree  N/A
- m. This session tried to cover material too quickly.  
 Strongly Disagree  Disagree  Unsure  Agree  Strongly Agree  N/A

**Did this module interest you in learning more about D3A2?**

- Yes  No

**After participating in today's session, about how often do you think you will use D3A2?**

- Never  Once a week  Once a month  Once a semester  Once a year or less

## Demographic Data

**Please enter your district:**

**Please enter your school:**

**What is your gender?**

- Female*  
 *Male*

**How many years of teaching experience do you have?**

- Less than 1 year*  
 *1-5 years*  
 *6-10 years*  
 *11-15 years*  
 *16-20 years*  
 *21 or more years*

**Which grade level do you teach? (Please check only one)**

- Primary (grades PK-3)*
- Elementary (grades 4-5)*
- Middle (grades 6-8)*
- Secondary (grades 9-12)*
- Other*

**If other, please specify:**