

# The Power of Answer Analysis

**The patented innovation that not only helps students learn better, it also helps teachers teach better.**

An exclusive and patented feature of **Learnia's** State Instructional Benchmarks, **Answer Analysis** actually uses incorrect responses to diagnose misunderstandings or mastery of content and provides the teacher with critical information on how, when, and where to target instruction.

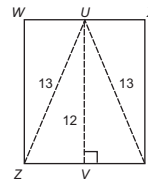
Unlike typical multiple-choice tests, in which items are written with wrong answers in the same category, making it almost impossible to determine the cause of student errors, with **Answer Analysis**, wrong answers are structured by "levels of understanding" so that teachers can immediately identify and remedy the learning gaps that led to those "wrong" answers.

As a result, teachers know how to focus and sharpen their instructional programs, so that students who need help get the instruction they need, and students who have mastered the material can move on to new and more stimulating material.

**Look at what you can learn from a "wrong answer."**

## State Instructional Benchmarks Math Item — Grade 8

In the diagram showing rectangle  $WXYZ$ , the lengths of  $\overline{ZU}$ ,  $\overline{VU}$ , and  $\overline{YU}$  are labeled in meters.



What is the perimeter (in meters) of rectangle  $WXYZ$ ?

- 34
- 38
- 44
- 120

[ Level 3: Correctly applies the Pythagorean theorem, but fails to double length to account for full length of side. ]

[ Level 1: Adds the dimensions shown in the diagram. ]

[ Level 4: Correct answer. ]

[ Level 2: Correctly applies the Pythagorean theorem, but confuses concepts of area and perimeter. ]

[ Level 4: Correct answer. ]

[ Level 3: Too narrow. ]

[ Level 2: Misunderstanding of text. ]

[ Level 1: Not supported by text. ]

## State Instructional Benchmarks Reading Item\* — Grade 6

What is the author's main purpose in writing this article?

- To explain the history and habits of bald eagles
- To describe the way bald eagles hunt for food
- To explain how to help save the bald eagles
- To describe the bald eagles as a national symbol

\*These Reading items are associated with a grade 6 reading passage titled "Bald Eagles," which is not reproduced here.