2.8 / Intelligence and Achievement



Name _____ Date _____

1 Make the connection.

Explain each concept in your own words. Add a brief example that shows why it fits.

Intelligence

General intelligence factor

Multiple-abilities theories

Historical ratio IQ

2 Build the explanation.

What is the model claiming?. Separate broad constructs, theories, and the historical ratio.

Choose from the pieces below. Some do not belong. Write a letter in each position and explain the connection.

A. Approaches that distinguish several forms or components of intellectual ability.

B. A common factor proves all abilities are identical and unchangeable.

C. A broad construct involving learning, reasoning, problem solving, and adaptation.

D. A proposed common factor underlying correlations among cognitive test performances.

E. An older score calculated from estimated mental age divided by chronological age, multiplied by 100.

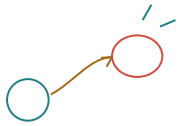
Intelligence - Piece: _____

General intelligence factor - Piece: _____

Multiple-abilities theories - Piece: _____

Historical ratio IQ - Piece: _____

Use the idea. Explain the connection.



3 Choose, then explain.

1. Two fictional groups average 100 and 103 on a normed scale, and their score distributions overlap substantially. Which statement is justified by these data alone?

A. The difference proves a genetic cause.

B. The group means differ by 3 points, but the averages do not determine every individual's score.

C. Every member of the second group scored above every member of the first.

My choice: _____ Why it fits:

2. A fictional program checks whether an entry assessment is associated with performance six months later. What evidence is it seeking?

A. Predictive validity for that later performance outcome.

B. Proof that the score causes later success.

C. A complete description of each person's abilities.

My choice: _____ Why it fits:

4 Bring it together.

Why can a measure be reliable but still fail to support its intended interpretation?

One idea I corrected: _____

One question I still have: _____