Non-Verbal Reasoning Assessment

Introduction

This assessment is designed to evaluate students' understanding of non-verbal reasoning concepts, specifically identifying patterns and sequences, recognizing geometric shapes and symmetry, and understanding spatial relationships and visual reasoning.

Section 1: Pattern Completion

Complete the pattern by selecting the next shape in the sequence:

1. What is the next shape in the sequence: Circle, Square, Triangle, ?
2. What is the next shape in the sequence: Star, Heart, Diamond, ?
3. What is the next shape in the sequence: Spiral, Zigzag, Wave, ?

Section 2: Shape Sequencing

Arrange the shapes in the correct order to complete the sequence:

1. Shapes: Circle, Square, Triangle, Hexagon
2. Shapes: Star, Heart, Diamond, Pentagon
3. Shapes: Spiral, Zigzag, Wave, Curve

Section 3: Short Answer

Describe the symmetry in the given shape:

Explain the pattern in the given sequence:

Section 4: Multiple Choice

Which shape is the next in the sequence?

1. A) Circle
2. B) Square
3. C) Triangle
4. D) Hexagon

What is the missing shape in the pattern?

1. A) Diamond
2. B) Heart
3. C) Star
4. D) Pentagon

Marking Guide

Correct answer: 2 points

Partially correct answer: 1 point

Incorrect answer: 0 points

Implementation Guidelines

Time allocation: 45 minutes

Administration tips:

- Ensure students have a clear understanding of the instructions and question types.
- Provide examples of each question type before the assessment.
- Encourage students to use the entire time allocated for the assessment.

Differentiation Options

For students with visual impairments:

- Provide large print or braille versions of the assessment.
- Offer assistive technology, such as text-to-speech software.

For students with learning difficulties:

- Provide extra time to complete the assessment.
- Offer one-on-one support or a reader/scribe.

Bloom's Taxonomy Alignment

This assessment aligns with the following levels of Bloom's Taxonomy:

- Knowledge/Remembering: Questions 1-5, 11-15
- Comprehension/Understanding: Questions 6-8, 9-10
- Application/Applying: Questions 6-8, 9-10
- Analysis/Analyzing: Questions 9-10
- Synthesis/Creating: Questions 6-8
- Evaluation/Evaluating: Questions 9-10

Multiple Intelligence Approaches

This assessment incorporates the following multiple intelligence approaches:

- Visual-Spatial: Questions 1-5, 11-15
- Logical-Mathematical: Questions 6-8, 9-10
- Linguistic: Questions 9-10
- Spatial: Questions 1-5, 11-15

Clear Success Criteria

The success criteria for this assessment are:

- Ability to identify patterns and sequences
- Ability to recognize geometric shapes and symmetry
- Ability to understand spatial relationships and visual reasoning
- Ability to apply knowledge to solve problems

Evidence Collection Methods

The evidence collection methods for this assessment are:

- Student responses to questions
- Observations of student behavior during the assessment
- Review of student work samples

Feedback Opportunities

The feedback opportunities for this assessment are:

- Immediate feedback after each question
- Feedback at the end of each section
- Overall feedback at the end of the assessment
- Opportunities for students to reflect on their own learning and set goals for future assessments