

Diagnostic Assessment for Children Aged 4-6 Years

Introduction
This diagnostic assessment is designed to evaluate the mathematical understanding of children aged 4-6 years in the areas of number sense and basic operations.
Section 1: Number Sense
Recognize and write numbers 1-10.
1. Write the correct number that corresponds to the given quantity of objects:3 blocks:
 5 toys: 2 pencils:
2. Complete the sequence: 1, 2, 3,, 5

Section 2: Basic Shapes
Identify basic shapes.
 1. Identify the basic shape: Circle: Square: Triangle: 2. Sort the following shapes into their corresponding categories: Circle, Square, Triangle, Circle, Square
Section 3: Basic Operations
Understand basic addition and subtraction concepts.

Solve the following addition problem: 2 + 1 = _____
 Solve the following subtraction problem: 5 - 2 = _____

Section 4: Interactive Games

Engage in interactive games to reinforce learning.

- 1. Identify the missing number in the sequence: 1, 2, ____, 4
- 2. Sort the following shapes into their corresponding categories:
 - o Circle, Square, Triangle, Circle, Square

Section 5: Conclusion

Reflect on learning and set goals for future learning.

- 1. What did you learn today?
- 2. What do you need to work on?

Answer Key

Check your answers against the answer key.

- 1. Section 1: Number Sense
 - 0 3, 5, 2
 - 0 4
- 2. Section 2: Basic Shapes
 - o Circle, Square, Triangle
 - o Circle: 2, Square: 2, Triangle: 1
- 3. Section 3: Basic Operations
 - 。 3
 - o 3
- 4. Section 4: Interactive Games
 - o 3
 - o Circle: 2, Square: 2, Triangle: 1

Assessment Rubric

Evaluate your performance using the assessment rubric.

- Accuracy: 80% or higher
 Completion: Complete all questions and tasks within the given time frame
 Participation: Engage and participate in all activities

Differentiation Options

Consider differentiation options for children with special needs, English language learners, and gifted children.

- 1. For children with special needs: provide extra time, use visual aids, and offer one-on-one support
- 2. For English language learners: provide bilingual support, use visual aids, and offer one-on-one support
- 3. For gifted children: provide additional challenges, such as more complex questions or tasks, and offer opportunities for extension and enrichment

Bloom's Taxonomy Alignment

Align the assessment with Bloom's Taxonomy.

- 1. Knowledge: Recognize and write numbers 1-10, identify basic shapes 2. Comprehension: Understand basic addition and subtraction concepts
- 3. Application: Apply basic addition and subtraction concepts to solve problems
- 4. Analysis: Analyze and identify patterns in numbers and shapes
- 5. Synthesis: Create and generate new numbers and shapes
- 6. Evaluation: Evaluate and justify the correctness of answers