

Diagnostic Assessment for Children Aged 6-8

Introduction
This diagnostic assessment is designed to evaluate the understanding of basic mathematical concepts in children aged 6-8 years old. The assessment aims to identify areas of strength and weakness, informing future instruction.
Section 1: Multiple Choice Questions
Choose the correct answer for each question:
1. What comes after 50? A) 49 B) 51 C) 100 D) 200
2. If I have 5 pencils and I add 2 more, how many pencils do I have now? A) 3 B) 5 C) 7 D) 10
 3. What shape has four right angles and four sides of equal length? A) Square B) Circle C) Triangle D) Rectangle
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1. Write the	number 75 in words.	
2. If I have 8	3 crayons and I take away 2, how many crayons do I have left?	
3. Draw a pi	cture of a basic shape (e.g. square, circle, triangle) and label its features (e.g. side	es,
corners, e	rtc.).	
ction 3: Int	eractive Games	
mplete each	game:	
1. Complete	e the sequence: 1, 2, 3,, 5	
2. Identify th	ne next shape in the pattern: square, circle, square, circle,	

d each problem carefully a	and answer in complete sentences:
1. Tom has 3 toy cars. His	s friend gives him 2 more. How many toy cars does Tom have now?
2. Saran nas 12 penciis. S	the gives 4 to her brother. How many pencils does Sarah have left?
ection 5: Shape Identific	ation
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dentify each shape:	ation
dentify each shape: 1. Identify the shape:	
dentify each shape: 1. Identify the shape:	
dentify each shape: 1. Identify the shape:	
dentify each shape: 1. Identify the shape: (a drawing of a triangle)
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Conclusion

This diagnostic assessment is designed to evaluate the understanding of basic mathematical concepts in children aged 6-8 years old. The assessment includes multiple choice questions, short answer questions, interactive games, word problems, and shape identification activities.

Answer Key

For teacher reference only:

- 1. Section 1: Multiple Choice Questions
 - 1. B) 51
 - 2. C) 7
 - 3. A) Square
- 2. Section 2: Short Answer Questions
 - 4. Seventy-five
 - 5. 6
 - 6. (Student's drawing and labeling of a basic shape)
- 3. Section 3: Interactive Games
 - 1.4
 - 2. square
- 4. Section 4: Word Problems
 - 7. 5
 - 8.8
- 5. Section 5: Shape Identification
 - 9. triangle
 - 10. (Student's creation of a shape with 5 sides)