

Core Skills Analysis

Mathematics

- The child learned to recognize numbers on dice and associate them with their numerical values.
- The activity helped the child practice basic addition skills by summing the numbers shown on the dice.
- It likely enhanced the child's ability to quickly calculate and mentally combine small numbers.
- The activity supported development of number sense, including understanding number combinations and their sums.

Tips

Tips: To further develop the child's understanding of addition and number sense, encourage hands-on exploration by using different types of dice, such as dice with more sides or number cards. Introduce simple word problems where the child uses dice rolls to solve real-life scenarios, making math contextual and meaningful. You could also incorporate games that involve strategy and addition to challenge their thinking skills. Exploring patterns in sums from multiple dice rolls can nurture early algebraic thinking and promote curiosity about numbers.

Book Recommendations

- [The Grapes of Math](#) by Greg Tang: A fun book that encourages creative thinking about numbers and addition through riddles and puzzles.
- [Math Adventures with Dice and Cards](#) by Diane Kirchhofer: A guide offering games and activities with dice to build arithmetic skills and confidence.
- [Sir Cumference and the First Round Table](#) by Cindy Neuschwander: A story that introduces basic math concepts through a fun medieval adventure.

Learning Standards

- Mathematics - Number: Addition and Subtraction - Year 3 (e.g., 'add and subtract numbers mentally, including a three-digit number and ones') [UK National Curriculum]
- Mathematics - Number - Number and Place Value: develop rapid recall of addition facts to 20 and beyond.

Try This Next

- Create a worksheet where children roll two or three dice, record the numbers, and write the addition sentence.
- Challenge the child to draw their own set of dice with numbers and color in dots, then write addition problems using their drawings.