

Activity Idea

Activity	Roll and record
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Possibilities for maths learning	☒ Counting	☐ Composition	☒ Cardinality
	☒ Subitise	☐ Comparison	☒ Measure
	☐ Shape	☒ Pattern	☐ Spatial awareness

Resources	➤ Dice (One die for each child in the group) ➤ A recording sheet for each child (The recording sheet should be a table with the game title, Roll & Record, at the top of the page. The table should be six squares by six squares, with the numbers 1 through 6 at the top of each column.) ➤ Number line or numerals to 6 ➤ Pencils
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Activity Outline	Explain that today the children are going to play a game called 'Roll & Record'. Each child will receive a die and a recording sheet. Demonstrate the game to the children. Explain: "The first thing that you are going to do is roll the die." Then roll your die. (Modelling appropriate rolling is important so children can control their die so it isn't thrown too hard and gets lost. This develops children's understanding of how the force in which they throw something can affect how far it travels etc.) Ask the children, "How many dots do you see?" Acknowledge children's responses. For example, "Three? Does everyone agree that I rolled a three?" Hold the die face up to the group and count the dots. "1-2-3. Three dots." Explain that you now have to record your result. "Now I will write the number 3 in the column that says three." Show the children how you find the three on the recording page and how you write the number 3 in the square below the three. Play and model several more rounds if needed and explain that the game is over when one of the columns is full (they have rolled the same number six times and recorded this). Observe the children as they play the game. How do the children figure out the number that they rolled? Do they count the dots? Do they just know the number by looking at the pattern of the dots on the dice? This will help you to understand their subitising skills and the more they practice with activities such as this the more their ability to recognise the pattern of small amounts will increase. Do children match numerals to the amounts
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	accurately? Are they using the number line to support them? Make note of any difficulties and support children where needed. Compare and share findings. Ask: “What was the number that you rolled the most times?” Point out that they can find this information by looking on their recording sheets and seeing which number has a number written in every box, all the way to the top of the table. Ask: “Which number has the lowest number of rolls? How many fives did you roll?” Ask the children to share what they did by holding up their recording sheets and telling the other children what they rolled, did anyone roll the same?
Extension Opportunities	✓ You can change the name of this game to <i>Racing Dice</i> and have the children predict which number will win before they start playing the game. Record this on the top of the sheet before the game. ✓ For additional challenge play the game with two dice and adding the numbers on each die together.