

# Using Dice Differently

**Description:** The classic game of Dice can be used in a variety of ways to practice math strategies. It's a fun way to review with the whole family!

## **Order of Operations:**

Create a template or templates to use for this game. With each roll of the dice, fill in the blanks in the equation with the numbers rolled and solve. Add more rolls of the dice or more operations within the equation for complexity.

A few possible templates for this game:

$$(\text{ \_\_\_\_\_\_ } \times \text{ \_\_\_\_\_\_ }) + \text{ \_\_\_\_\_\_ } = \text{ \_\_\_\_\_\_ } \quad \text{Example with 3 dice: } (3 \times 4) + 2 = 14$$

$$\text{ \_\_\_\_\_\_ } + \text{ \_\_\_\_\_\_ } = \text{ \_\_\_\_\_\_ } \quad \text{Example with 2 dice: } 5 + 3 = 8$$

## **Reach the Goal**

Give players a goal number to reach. Roll the dice, continually adding each roll to the last until the goal number is met. The player to meet the goal first wins! Add in variations such as, if a player rolls a 1 on either dice, they lose all points for that turn.

## **Make 10**

Have students roll both dice. Players must add or subtract to make their answer equal 10.

## **Florida Standards Practiced:**

### Math

1. Compare numbers
2. Solve problems involving the four operations
3. Represent and solve problems



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## **Reach the Goal**

- ♦ Give players a goal number to reach.
  - ♦ Roll the dice, continually adding each roll to the last until the goal number is met. You can roll both or one die.
  - ♦ The player to meet the goal first wins!
- 
- ♦ **Add in variations**
    - if a player rolls a 1 on either dice, they lose all points for that turn.

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\*\*For older students you can use multiplication or division and use a higher target number.

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