

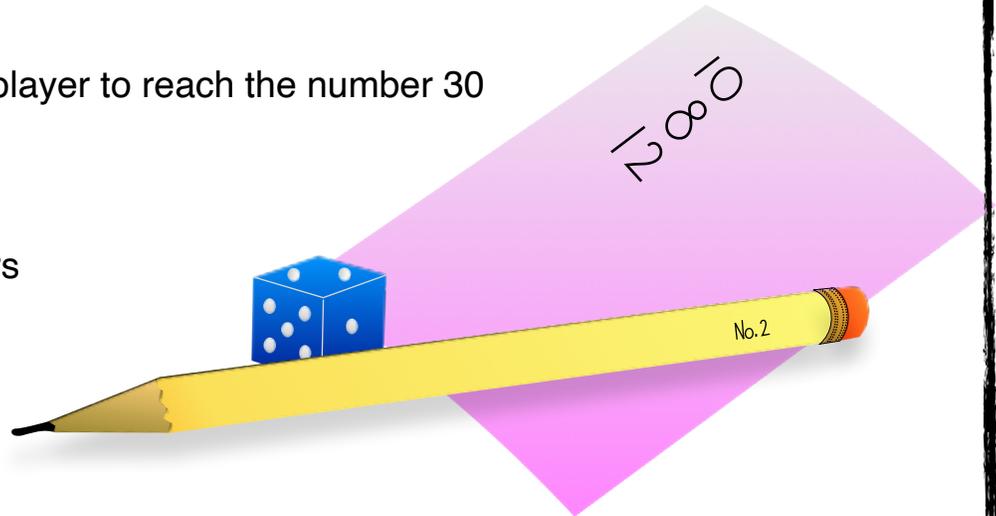
Double Up

This is an activity for one or more people.

Goal: To be the first player to reach the number 30

You will need:

- A partner or partners
- A dice
- Paper
- Pencil



What to do:

- Each player rolls the dice when it is their turn, doubles the number on the dice, and writes that number down on a piece of paper. The youngest person goes first.
- On each players' second turn they roll the dice again, double the number rolled, and add this number to the first number written down.
- Play until one player wins the game by getting a total of 30 or more.

Other things to try:

- Play this game without a partner. Predict how many rolls it will take you to reach thirty. Test to see if you were correct.
- Find five combinations of rolls that when doubled will total 30. Do you think there are many different ways to get a total of 30? Why or why not?
- What is the smallest number of rolls that will total 30? How do you know? What is the largest number of rolls that total 30? How do you know?