

# Snakes and Ladders

- You will need 2 dice, a snakes and ladders game, and paper to write on.
- The one die is positive and the other is negative. This is decided before the game begins.
  - You throw both dice. You will get a positive number and a negative number.
  - You can either add or subtract these numbers, in any order.
  - You move forward if the final result to this operation is positive or backward if the answer is negative.
  - The winner is the first person to pass the finish. You cannot go further back than start.
- 

## Variations:

1. Simplify from the start: Only addition and no choice in order
  - a. Next level might be subtraction only.
  - b. Then introduce changing order.
  - c. Finally choice in operations.
2. Winner has to land 'on' finish. (Lengthens the game).
3. Both die can be negative numbers.
4. Player can choose the sign of each die.

## Strategy

- Be aware of snakes and ladders. Sometimes it might be best to find a lower 'answer' in order to use the ladder. A higher answer might mean landing on a snake and going backwards.
- Negative answers also can be good. You may be able to move 2 spaces back (answer = -2) and this means you can use a ladder.

# SNAKES AND LADDERS

www.mathsconnect.com  
supporting secondary maths

