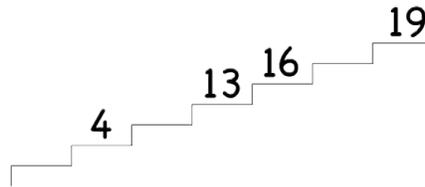




Going Up Stairs

Math Concepts: Counting and order to 20
Materials: Paper, deck of playing cards
Players: 2+

Set up: Each player draws a staircase with 6 steps.



Play: Create a number using Number Cards numbered from 0 to 9 (queens can be 0). The first selection will be from the cards 0 to 1, and this is the tens digit. Then randomly select a card from all the cards for the ones digit. The two digits together form a number from 0 to 19. If possible, the player must place this number on their steps.

Goal: The first player to fill their steps in increasing order from bottom to top wins.

Example move: For the example above, if 15 is the random number, this player would not be able to use it. If 11 is the random number, then it would go between 4 and 13.

– DISCUSSION AND TIPS –

Discuss good strategies for placing numbers. In the given example, putting 4 on the second step may have been a mistake - the player might end up waiting a while to get 0, 1, 2, or 3.

– VARIATIONS –

Use fewer steps for younger children, more steps for older children.

Use a larger range of numbers, such as 0 to 39 or even 0 to 99, for older children. For younger children, you could even use 0 to 9 with three or four steps.

Make it easier by allowing neighboring steps to have the same value.

Make this a Kindergarten activity by using the numbers from 1 to 10 and perhaps using ten-frame cards.