

# PIG

(Probability and Adding)

Students will Need:

2 dice  
paper

pencil  
2 to 4 players

Here's a good game. It depends on knowing a little something about probability as well as not being too much of a pig.

The idea is to get to 100 first.

Player 1 rolls the dice, and adds the two numbers together. This player may roll and add to their own number as many times as they like BUT... if player 1 rolls a one on either dice, he/she up lose all of the points they've accumulated on that turn, and his turn is over. When player one stops rolling, the points accumulated on that turn are added to his bank.

If a 1 comes up on both dice, the player's total bank goes back to 0. (Even if you were one shake away from arriving at 100!)

You may stop rolling at any time!

When Player 1 quits rolling Player 2 begins to roll. It becomes boring to play with more than 4 players at a time.

The first player to 100 wins!

It helps if you know how to add, but it helps more if you can predict how often 1's will come up. What is the probability of throwing a 1? What is the probability of throwing snake eyes?

Variations:

Play with 3 dice and add up to 1000

Play with 5 dice and add up to 10,000

Multiply instead of add and go to 500 with 2

dice Start at 100 and work backwards to 0

(This is great or subtraction with regrouping!)

To Pig and Back you add up to 100 and then back to 0. If double 1's are rolled the player goes back to 0 to begin the journey again.

