There's an empty room in the Pascal home. Then Pascal walks in and it's clearly time to play one game of solitaire in one big room.

There's a knock knock knock at the Pascal door. Now we've got one more, so it's clearly time to play one game of chess and...
two games of solitaire in one big room. There's a knock knock knock at the

Pas-cald door. Now we've got one more so it's clearly time to play one game of monopoly in the middle.

three games of chess and three games of solitaire in one big room. There's a

knock knock knock at the Pas-cald door. Now we've got one more so it's clearly time to play one game of bridge,
four games of mon-key in the mid-dle, six games of chess and four games of so-li-taire in

one big room. Theress's a knock knock knock at the Pas-cal door. Now we've
got one more so its clear-ly time to play one game of Risk, five games of bridge,
ten games of mon-key in the mid-dle, ten games of chess and five games of so-li-taire in one big
Theres's a knock knock knock at the Pas-cal door. Now we've got one more, so it's clearly time to play one game of Chi-nese check-ers, six games of Risk, fif-teen games of bridge, twen-ty games of mon-key in the mid-dle, fif-teen games of chess and six games of so-li-taire in one big room.

Theres's a knock knock knock at the Pas-cal door. Now we've...
got one more, so it's clearly time to play one game of Seven Wonders, seven games of Chinese checkers.

twenty-one games of Risk, thirty-five games of bridge, thirty-five games of monkey in the middle,

twenty-one games of chess and seven games of solitaire in one big room.

There's a knock knock knock at the Pascal door. Now we've got one more, so it's clearly time to play
one country western square dance, eight games of Seven Wonders, twenty-eight games of Chinese checkers,

fifty-six games of Risk, seventy games of bridge, fifty-six games of monkey in the middle,

twenty-eight games of chess and eight games of solitaire in one big room.

There's a knock knock knock at the Pascal door. Now we've got one more, so it's clearly time to take
one voyage in a crew boat, nine country western square dances, thirty six games of Seven Wonders,

eighty four games of Chinese checkers, one twenty six games of Risk, one twenty six games of bridge,

eighty four games of monkey in the middle, thirty six games of chess and nine games of solitaire in

one big room. There's a knock knock knock at the Pascal door. Now we've
got one more, so it's clearly time to play one game of full court basketball, ten voyages in crew boats, forty-five country western square dances, one twenty games of Seven Wonders,
two ten games of Chinese checkers, two fifty-two games of Risk, two ten games of bridge,
one twenty games of monkey in the middle, forty-five games of chess and
Q: How can one room be large enough for a basketball court and a rowing pool?
A: It's a big room. This fact is repeated several times. Please pay attention.

Q: Why does Pascal have a live cox for his crew boat but no live caller for his square dance?
A: Rowing without a live cox is considerably more dangerous than square dancing to a recorded caller.

Q: Is this another parody of "12 Days of Christmas"?
A: Absolutely not, but since you ask, I will say this: the total number of gifts given on the kth day of Christmas is $1 + 2 + 3 + \ldots + k$, which is equal to $k(k+1)/2$, which is the number of chess games played the kth time chess is mentioned. The cumulative number of gifts given on Christmas days 1 through k is $k(k+1)(k+2)/6$, which is the number of monkey in the middle games played the kth time monkey in the middle is mentioned. The number of types of gifts given on the kth day of Christmas is simply k, which is the number of solitaire games played the kth time solitaire is mentioned. In short, mathematically speaking, all the interesting patterns in "12 Days of Christmas" are also encoded in "Party at Pascal's".

Q: They play a lot of games, don't they?
A: The total number of games played at Pascal's house when k people are present is $2^k$ (if you count the room itself as an "empty game"), which is the number of subsets of a k-person set. That sounds like a lot, but it's nothing compared to what happens at the end of the party, when somebody insists that the 10 guests line up (in all 10! permutations) for photographs.

Q: What if more guests arrive?
A: Proceed with a refereed basketball game, a volleyball game, a witches' coven, a 14-piece jazz band, a 5-4-3-2-1 cheerleader pyramid, a double square dance, a double square dance with a live caller, a baseball game, a 19-piece chamber orchestra, a lacrosse game, a 6-5-4-3-2-1 cheerleader pyramid, a soccer game, and a round of "Let's see if two of us share a birthday".