

# PASCAL'S TRIANGLE AND YANG HUI

A dark blue diagonal shape that starts from the bottom left corner and extends towards the top right corner, partially overlapping the bottom of the text.

# Timeline about the creators

Different countries acknowledged the intriguing properties about this simple yet unique triangle.

## INDIA:

1. Pingala (In 2nd century or before)
2. Varahamira (Around 505)
3. Halayudha (Around 975)

## MIDDLE EAST:

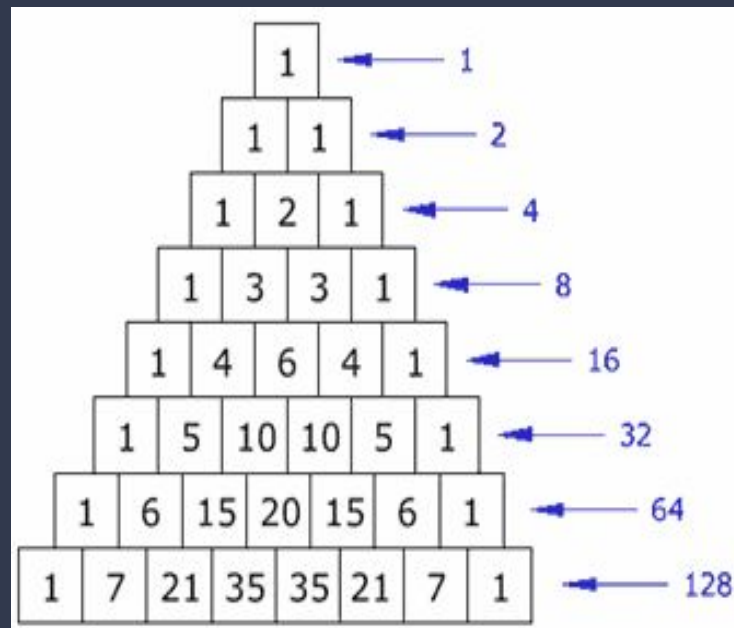
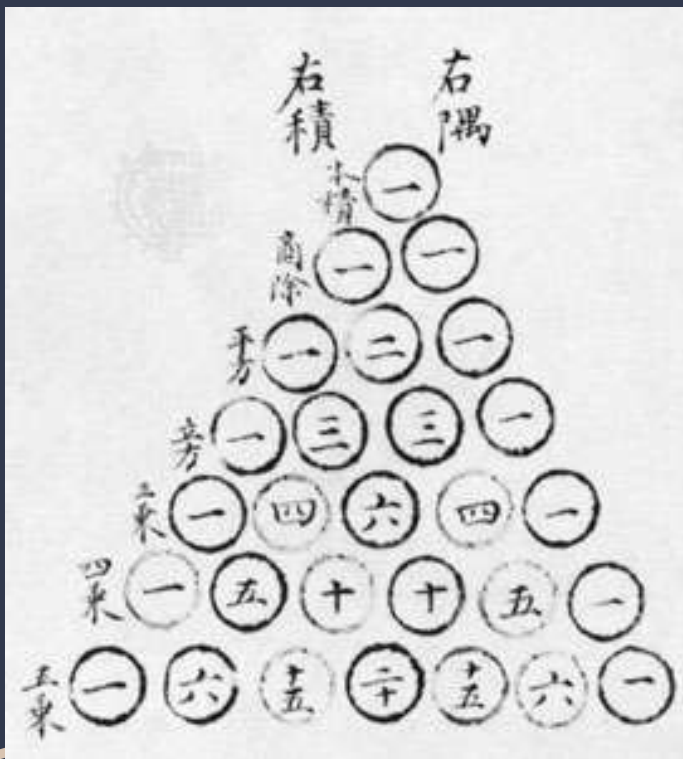
1. Al-Karaji (953-1029)
2. **Omar Khayyam** (1048-1131)

## CHINA:

1. Jia Xian (1010-1070)
2. **Yang Hui** (1238-1298)

# What Pascal did?

- The triangle existed before him.
- Made its existence known to the world better.
- Development of the triangle by discovering further truths and patterns overseen by Hui and Halayudha in 975.



# Patterns Discovered

1. Binomial coefficients
2. Sum of each row is  $2^n$
3. Each row is  $11^n$ .

# WAS IT RIGHT?

Is it correct for the idea to be called “Pascal’s triangle” when others have come up with it already?

Thank You

