

JULY 2025

T	W	T	F	S	S
1	2	3	4	5	6
8	9	10	11	12	13
15	16	17	18	19	20
22	23	24	25	26	27
29	30	31			

JULY

27th Week • 182-183

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2  
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TUESDAY

National Doctors' Day (India)

## Chinese (200 BCE - 1200 CE)

- The Nine Chapters on the Mathematical Art used multiplication tables and the abacus.
- They had the "Nine-Nine Song" — a multiplication table from  $1 \times 1$  up to  $9 \times 9$ , memorized by students.
- Like the Egyptians, they thought of multiplication as combining doublings and additions.
- Negative multiplication rules appear explicitly here too.

## Medieval Islamicate Mathematicians (800-1400 CE)

- In al-Khwarizmi's Book on Calculation (825 CE), multiplication is an arithmetic operation with rules, tightly connected to algorithms of Indian origin.
- The definition as repeated addition is implicit, but not always stressed — emphasis was on

No real change in history has ever been achieved by discussions. — Netaji Subhash Chandra Bose

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