ON STEADY

## The Bright Side of Mathematics



Day 18

## Advent of Mathematical Symbols

$$\begin{pmatrix} V_1 \\ V_2 \end{pmatrix} \bigotimes \begin{pmatrix} W_1 \\ W_2 \\ W_3 \end{pmatrix} = \begin{pmatrix} V_1 W_1 & V_1 W_2 & V_1 W_3 \\ V_2 W_1 & V_2 W_2 & V_2 W_3 \end{pmatrix}$$

matrix entries: 
$$(V \otimes W)_{ij} = V_i W_j$$