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• Who is Kurt Gödel?

Best 20th century mathematician.

• How old was Gauss when he came up with  $\frac{n(n+1)}{2}$ ? He was a kid, like 10

•  $54 \cdot 57 = (5 \cdot 10 + 4 \cdot 1) \cdot (5 \cdot 10 + 7 \cdot 1)$

$(25 \cdot 100) + (5 \cdot 10 \cdot 7 \cdot 1) + (45 \cdot 10) + (4 \cdot 7 \cdot 1)$

$(2 \cdot 10 + 5 \cdot 10^0)(10^2) + (3 \cdot 10 + 5 \cdot 10^0)(10) + (2 \cdot 10)(10) + (2 \cdot 10 + 8 \cdot 10^0)$

1a.  $182 = 1 \cdot 5^3 + 5^2 + 7 = 1 \cdot 5^3 + 2 \cdot 5^2 + 7 = 1 \cdot 5^3 + 2 \cdot 5^2 + 1 \cdot 5^1 + 2 \cdot 5^0$

$182 = (1212)_5$