$(10000001)_2$

Belfast, August 2018

Outline

About this

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A $(129)_{10}$, $(81)_{16}$, same thing, different looks

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A $(129)_{10}$, $(81)_{16}$, same thing, different looks

B What will be here?

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A $(129)_{10}$, $(81)_{16}$, same thing, different looks

B What will be here?

C How?

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A $(129)_{10}$, $(81)_{16}$, same thing, different looks

B What will be here?

C How?

D Thoughts!

The point is this...

Because of this, there is that

$$\sum_{k=0}^{n} k^2 = \frac{n(n+1)(2n+1)}{6}$$

for example, $n = 2$

Then $\sum_{0 \leq k \leq 2} k^2$ gives $0 + 1 + 4 = 5$, and on the other side $n = 2$ and $\frac{n(n+1)(2n+1)}{6}$ sets as $\frac{2(2+1)(2\times 2+1)}{6}$, or in concrete $\frac{2\times 3\times 5}{6}$, or even just 5.

or on the other page

Fifteen men on the dead man's chest—
Yo-ho-ho, and a bottle of rum!