Coin Calculation (6.6.C.13.4)

Illustrative Mathematics

13.4: Coin Calculation

Andre and Elena knew that after 28 days they would have 2^{28} coins, but they wanted to find out how many coins that actually is. Andre wrote $2^{28}=2\cdot 28=56$.

Elena said, "No, exponents mean repeated multiplication. It should be 28·28, which works out to be 784." Do you agree with either of them? Explain your reasoning.

1 of 1 1/31/2021, 1:02 PM