







# No piece of paper can be folded in half more than 7 times

IT MUST BE A FOLD THAT FOLDS IN HALF



# WHAT COULD HELP US TO GET MORE THAN 7 FOLDS?





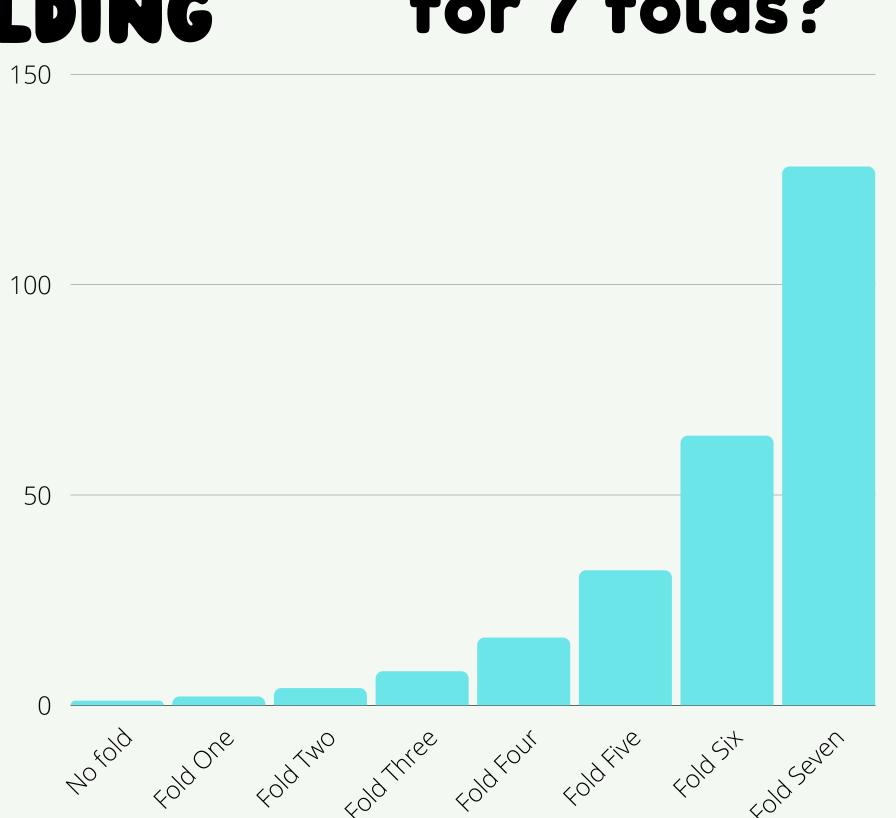


How many layers for 7 folds?



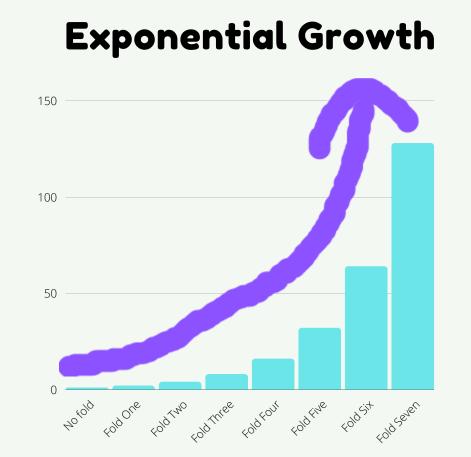


# How many layers for 7 folds?





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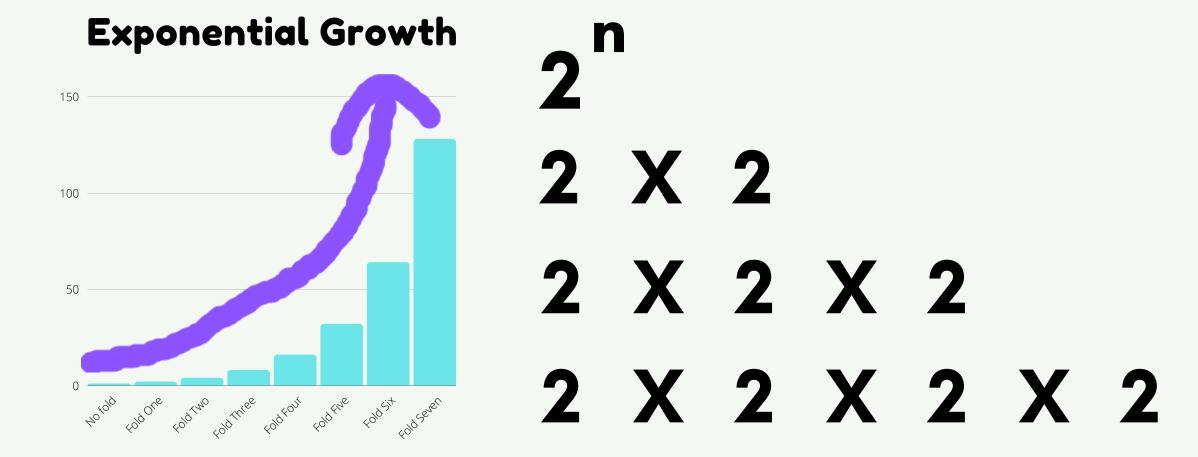


2 <sup>n</sup>

Each step multiplies by 2, it starts slow but doubling every time means the numbers get BIG quickly



### How many layers for 7 folds?



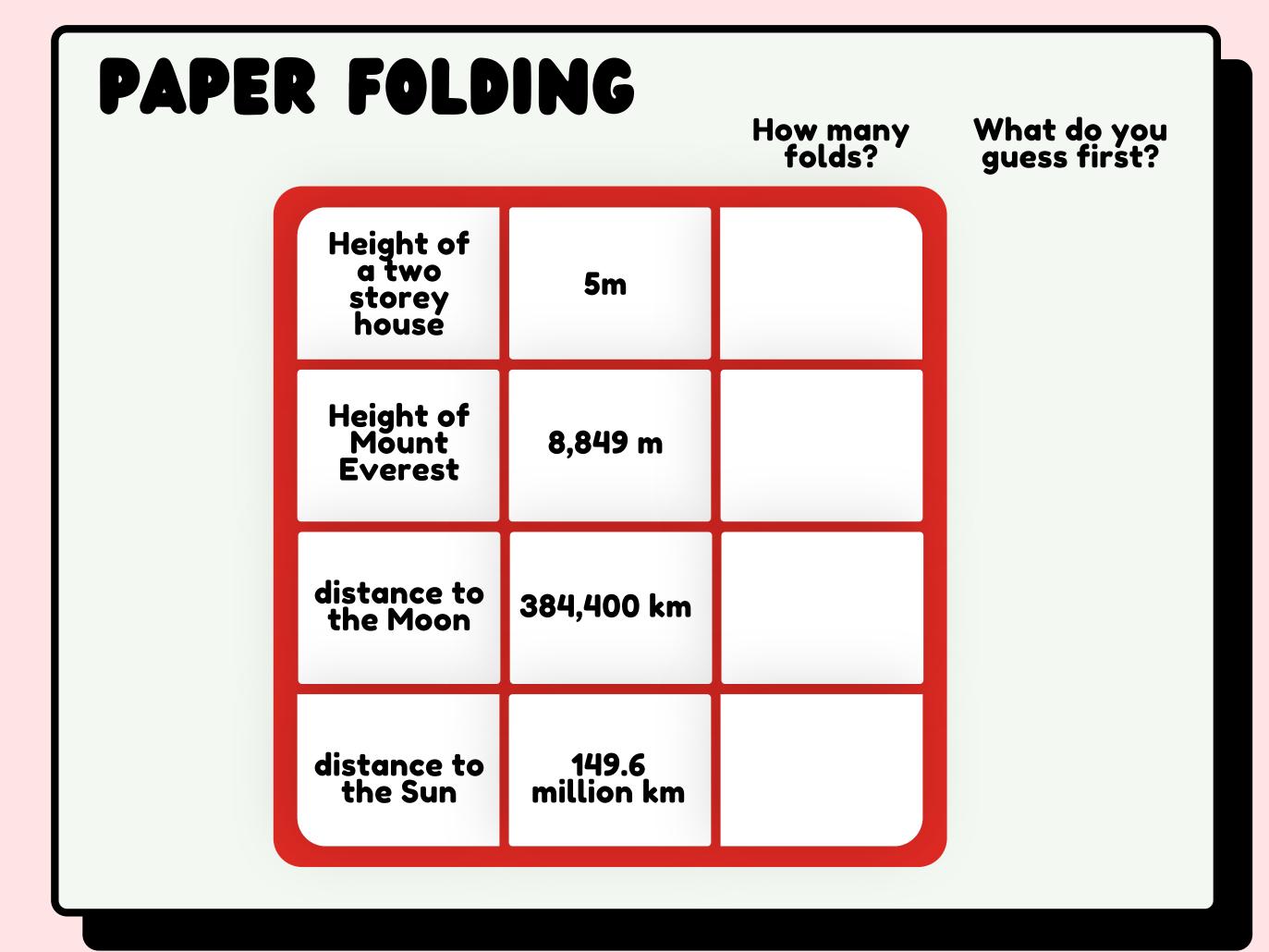
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How many layers for 30 folds?

if one layer is 0.08mm, how thick is ten folds?







How many folds?

What do you guess first?

