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the aptly named hydraulic press channel on youtube has attempted to fold an a3 piece of paper in half seven times using a hydraulic press to achieve the final folds and let s just say the results are pretty weird things go perfectly fine until we get to that infamous seventh fold it s commonly accepted that you cannot fold a single sheet of paper in half more than 7 times no matter what paper finish size or basis weight you re using for two main reasons every time you fold your sheet you reduce your total surface area by half so eventually you simply run out of surface area to fold if you fold the same piece of paper 7 times it would be as thick as 128 sheets of paper also with the increase in height you also have a lesser width at your disposal to use in order to apply some force to keep the paper folding the more folds you make the thicker the folded paper is and the more stress force it takes to make the outer layers wrap around the inner layers eventually the force required to fold more layers is so high that you won t be strong enough to fold it or the paper will rip before it is able to fold nothing stops a piece of paper from being folded more than seven times if the paper is thin enough depending on the thickness and width of the paper after a certain

number of folds the paper stack becomes thicker than it is wide if you want to get a good fold you must make sure the paper is even doesn't have any cuts wrinkles or wet spots here is how you can fold a piece of paper in half find a flat surface for optimum fold quality there's an urban legend that a piece of paper can't be folded in half more than eight times as one fold makes it double in thickness a process called exponential growth according to it's easy to fold a piece of paper in half once twice or even three or four times but what's the highest number of times one piece of paper can be folded in half to find out we will talk about the science behind flying a paper plane and the different forces that get a paper plane to fly and land these same forces apply to real airplanes too a force is something that pushes or pulls on something else the equations establish the relationship between the length of paper required l the thickness of the paper t the minimum possible width of square material w and the number of possible folds n it is documented in her book how to fold paper in half twelve times if we fold a paper and then apply pressure on the newly formed crease it seems that the paper's surface gets a permanent deformation but what exactly has happened to the paper at a molecular scale in this comprehensive guide we'll delve deep into the realm of origami tips whether you're a beginner taking your first folds or an experienced paper folder looking to refine your skills you'll find valuable insights and techniques here oct 18 2023 impossible by hand if you're using common a4 paper but not impossible with other methods understand that every

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