

# Take It To The Limit

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# What Is A Limit

Speed Limit



00:06

1

Capacity Limit



00:05

2



00:07

3

Weight limit



00:05

4

The Sky's the Limit



00:06

5

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Citi Credit One Bank® Preferred® Card	Credit One Bank® Credit One Bank® Credit Card	Discover Discover It® Credit Card	Citi Simplicity® MasterCard®

How issuers determine credit card limits | Bankrate.com

www.bankrate.com/credit-cards/how-issuers-determine-credit-card-limits/

by Jenna Hennen in 33 Google+ circles

Jun 19, 2013 - How much (or little) a credit card issuer allows you to charge can feel like a character judgment. A low limit shows little trust in your ability to ...

00:05

6

Don't limit your possible careers choices by not taking Math!



00:05

7

Age Limit

Air Force Recruiting - Thinking Of Career Options?

www.airforce.com

Think About Enlisting in The US Air Force

Requirements Joining the Air Force Careers Enlisted Pay

If you are interested in enlisting in the Air Force Reserve, you must be between the ages of 18 and 30 (you can be 17 with a parent's signature). Prior service have a different set of age limits. Have a high school diploma, although in some instances GED certificates can be accepted.

00:06

8

To infinity and beyond



00:06

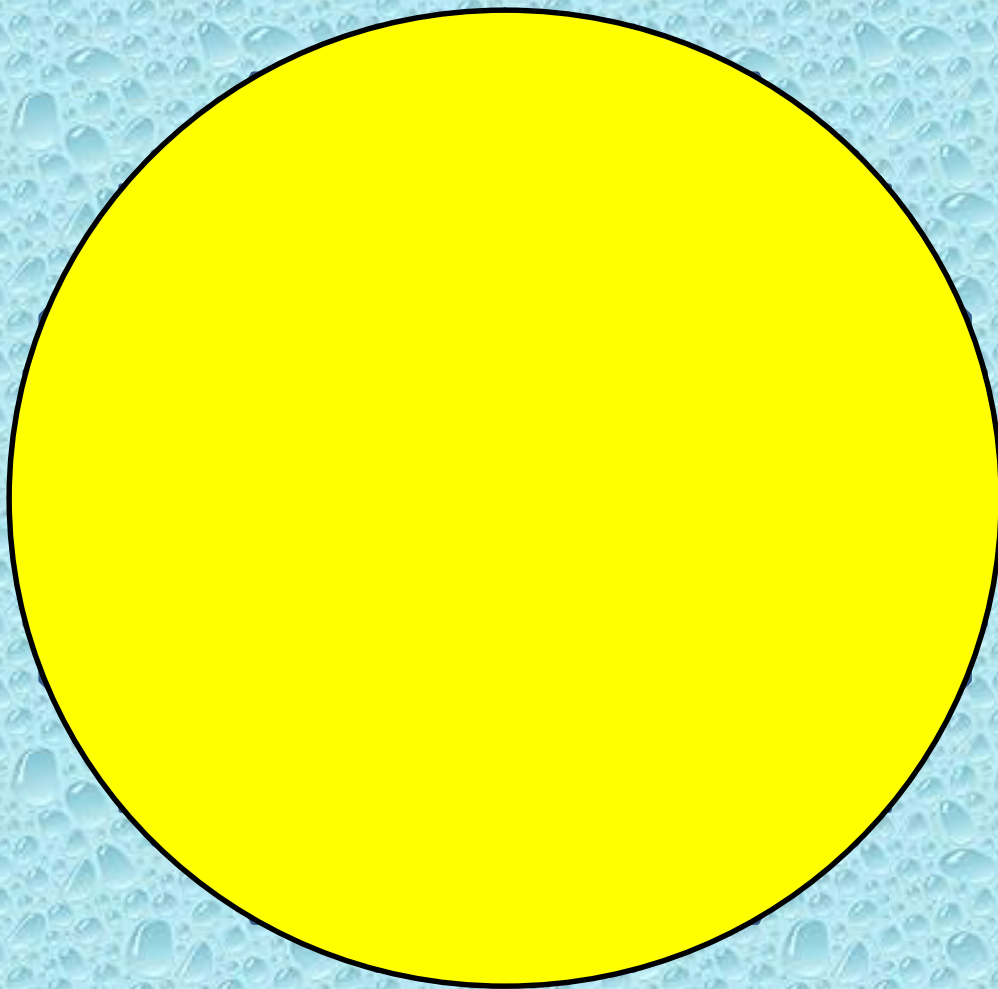
9

- **Let's consider the following photograph... what does it have to do with limits?**
- **Take a moment... let's see what you think...**



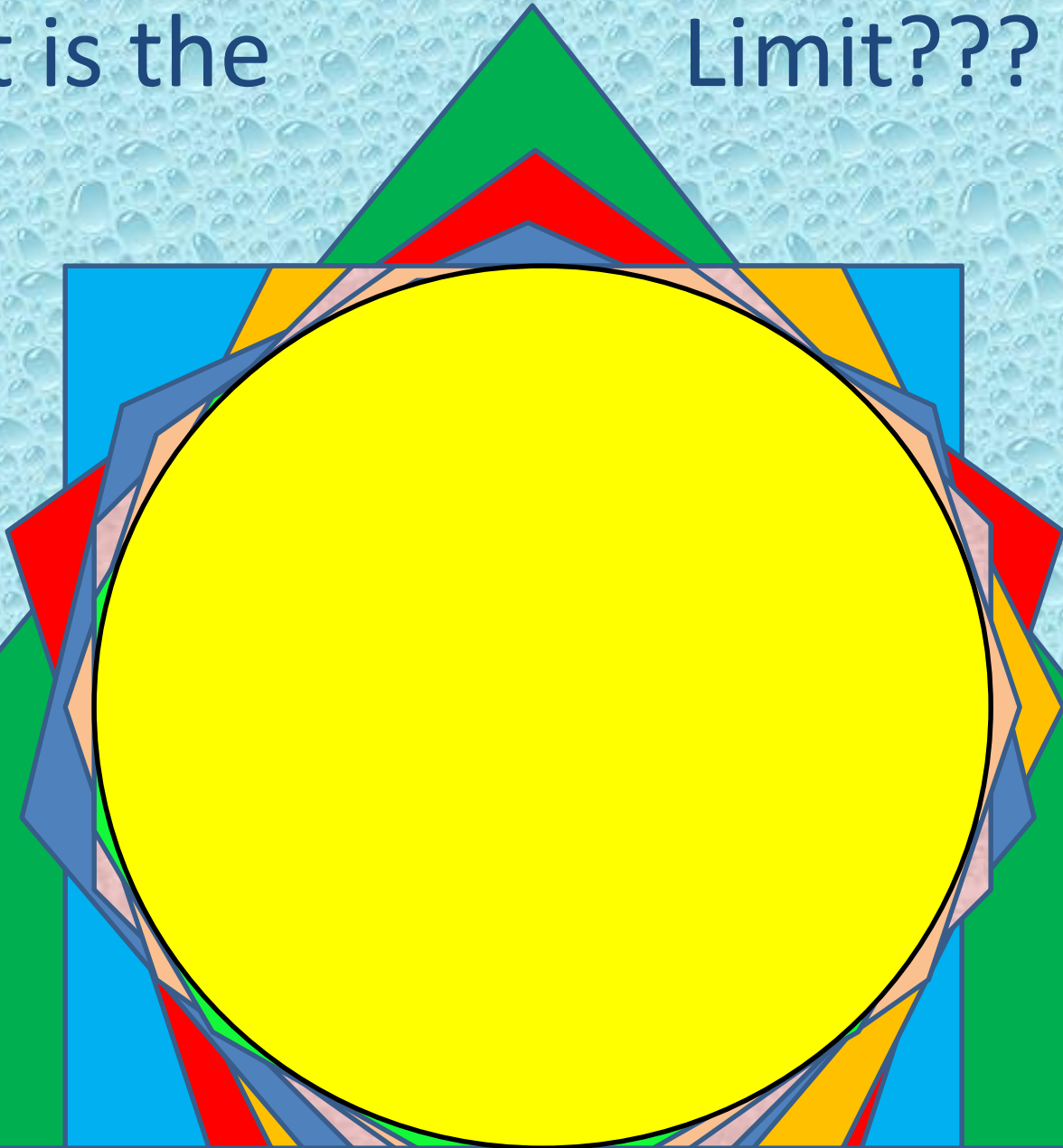


What's the limit?



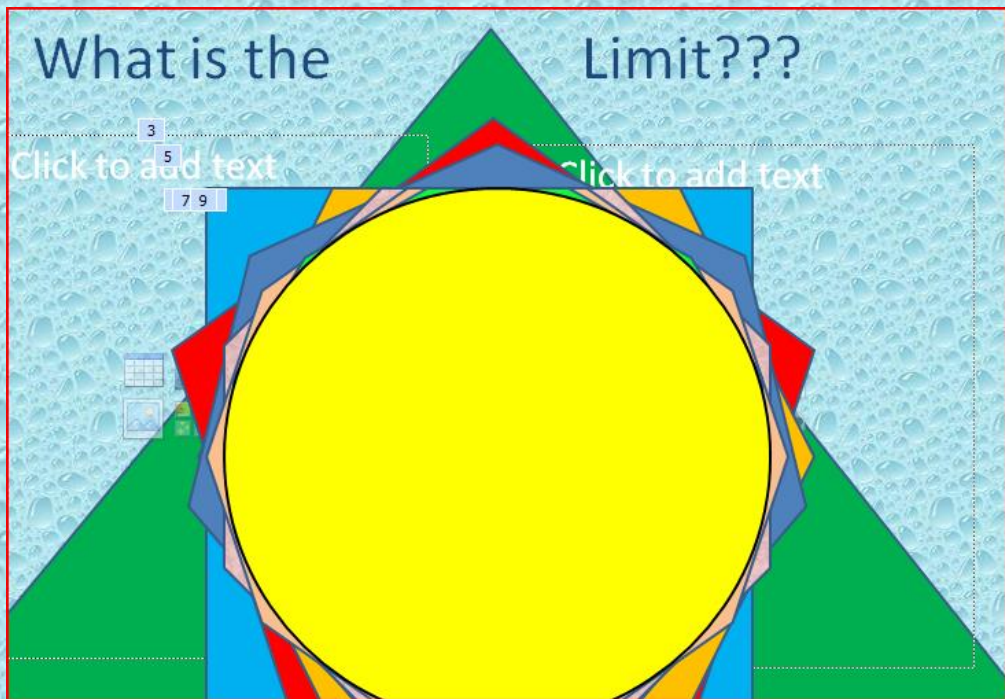
What is the

Limit???

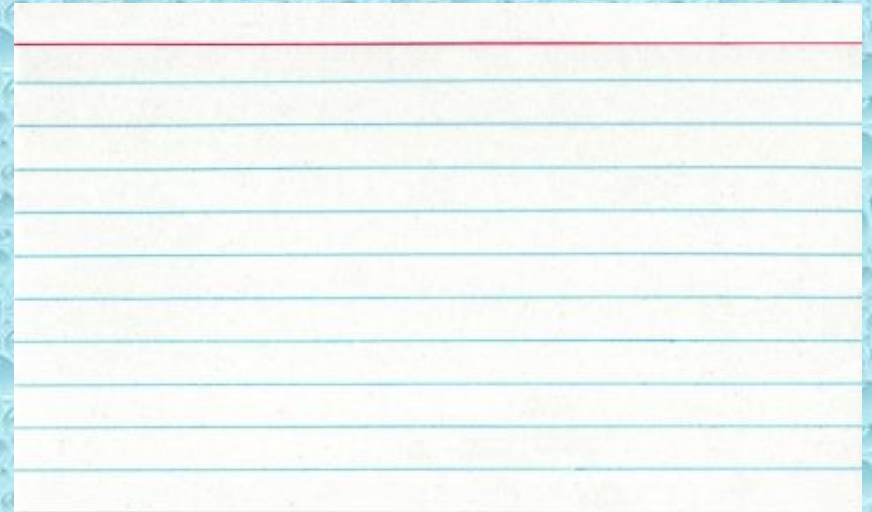


**Does the actual limit have**

**To be part of the function?**

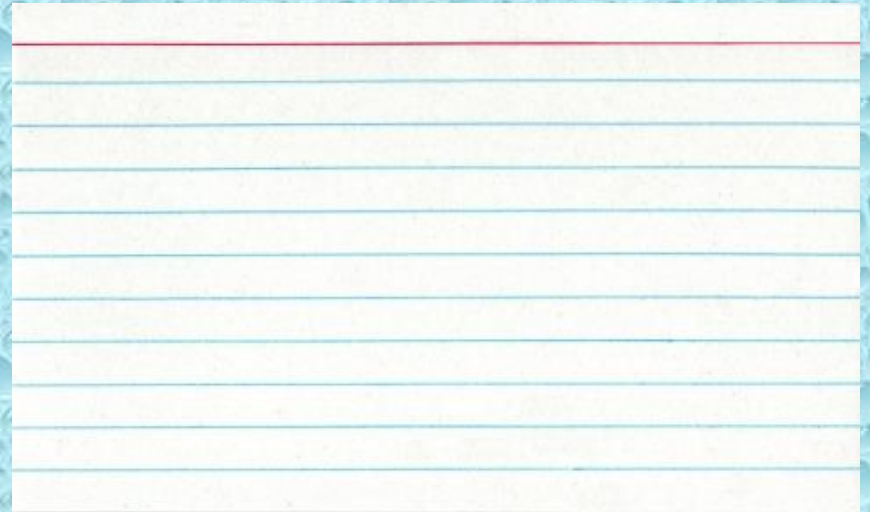


- **Let's consider a polygons with a radius one**
- **Let's consider limits from different perspectives**





- **Let's consider a note card and what it has to do with limits...**
- **Take a moment... let's see what you think...**





# The Story of Limits

- <http://www.Calculus-help.com>
- go to the top and click on tutorials  
Limits

# Limits with Technology

- <http://www.calculusapplets.com/formal/limits.html> or
- Paper plates

# Consider the Fibonacci Numbers and Limits

- 1, 1, 2, 3, 5, 8, 13, 21, 34, 55, 89,...
- $\frac{1}{2}, \frac{2}{3}, \frac{3}{4}, \frac{4}{5}, \frac{5}{6}, \frac{6}{7}, \frac{7}{8}, \dots$
- $\frac{1}{2}, \frac{3}{4}, \frac{7}{8}, \frac{15}{16}, \frac{31}{32}, \frac{63}{64}, \dots$
- $\frac{1}{2}, \frac{1}{3}, \frac{1}{4}, \frac{1}{5}, \frac{1}{6}, \frac{1}{7}, \frac{1}{8}, \frac{1}{9}, \dots$



