

DAY I

HOW CAN WE LEARN MATH?



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- Growth mindset
 - “I can do this.”
 - Everyone can succeed
 - Understanding
 - Making mistakes
 - Working hard
 - Authentic learning

- Fixed mindset
 - “I’m bad at word problems.”
- The “math gene”
- Memorization
- Illusion of fluency
- Being smart
- Illusion of fluency

THINK ABOUT....

- What's the main idea of the lesson?
- **Being part of a group means...**
 - Accepting being “stuck” as a normal part of learning
 - Providing input to the group: What's your contribution?
 - *** Sharing out to the class when you have something good! ***
- **Difficult tasks...**
 - ...often require input from many people
 - ...may take longer to solve
- Deep, slow thinking > Shallow, quick thinking

PROBLEM SOLVING/MATH FUN FACT

There are 15 people in a room, and each person shakes hands exactly once with everyone else. How many handshakes take place?