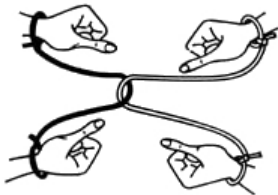


Mathcuffed Puzzle: Is math binding or freeing?

- Find a partner
- Put on your mathcuffs as shown in the following picture. They cannot be removed from your hands.
- Do not break, cut, saw through, bite through, untie knots or in any other way damage the rope.
- Can you disentangle yourselves using the above rules?



Research Perspectives: Mathematical Biology

- *Make the issue concrete and physical whenever possible.... Many surprising and even counterintuitive discoveries can be made by freeing ourselves from old, unsubstantiated biases and experimenting with new ways of thinking and seeing.*
- Equivalences in mathematics and molecular biology (topology, knot theory, and what kind of enzymatic reactions take place for mRNA strands)

