

Learn by playing Mixed-up Elements

The Curries worked very hard to mix and separate elements in the lab. They were careful and precise and got very good at what they did. Now you can try learning from your experiences to solve these element puzzles. Discover how you can learn and improve your performance when solving puzzles as you play Mixed-up Elements!

What you'll need:

- 3 Tedros test tubes
- 6 pom pom's that match the color of your cards
- your puzzle challenge cards
- a clock or stopwatch

What you'll do:

Work with a partner to discover how learning and memory can help you learn to do a task better.

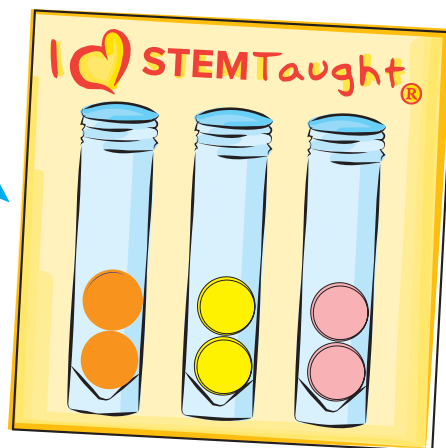
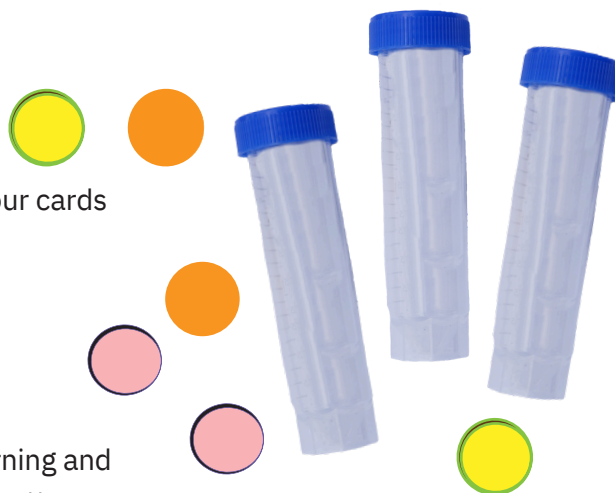
Step 1: Cut out your puzzle cards.

Step 2: Put two elements in each test tube to start the game (two blue, two brown and two red).

The rule of the game:
You may only pour the elements from tube to tube to rearrange them.

4th-8th grade challenge: Your partner times how long it takes you to rearrange the colored elements to match the card. Switch roles and repeat. Record your time.

Keep completing more puzzle cards to see if you can solve the puzzles faster. Record your times.



4th - 8th Grade Challenge How long does it take to solve the puzzle?

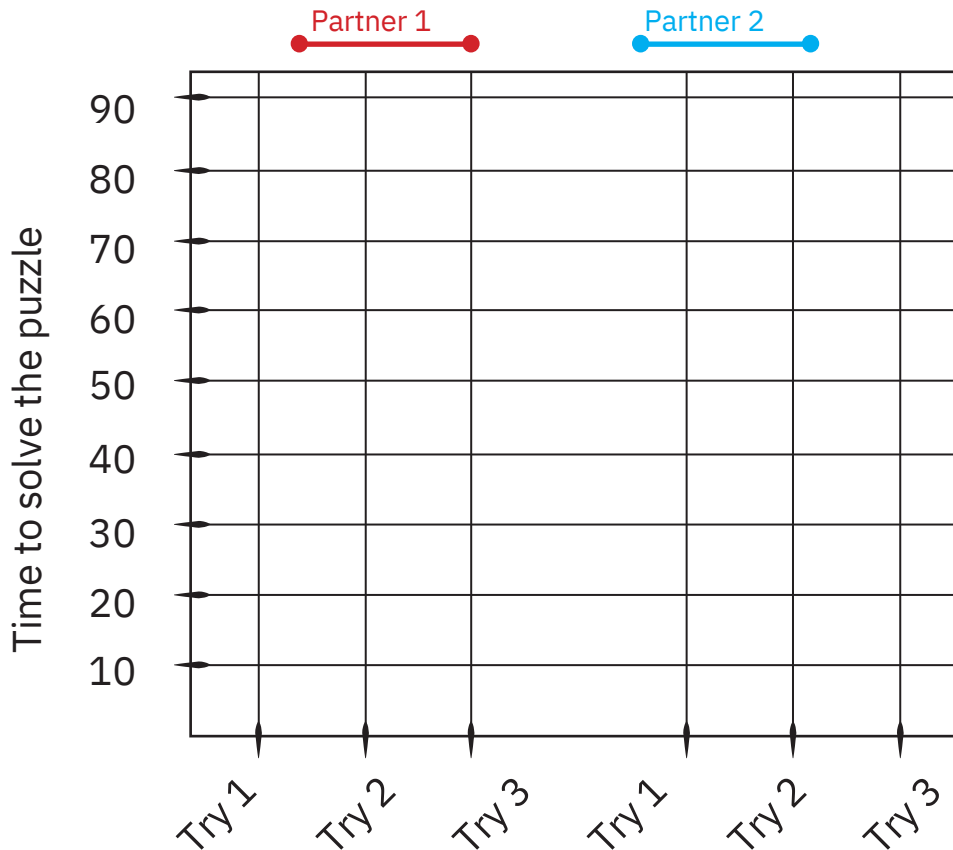
Draw a card and time yourself as you solve the puzzle. Then try and solve the same puzzle again and then again does your time change.

Partner 1:

Try 1	<input type="text"/>	seconds
Try 2	<input type="text"/>	seconds
Try 3	<input type="text"/>	seconds

Partner 2:

Try 1	<input type="text"/>	seconds
Try 2	<input type="text"/>	seconds
Try 3	<input type="text"/>	seconds



How does the time it takes to solve the puzzle change as you gain more experience?



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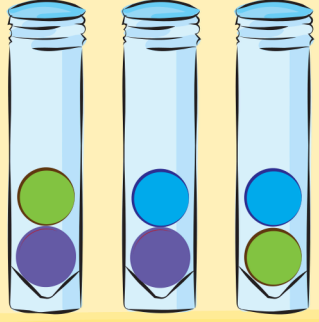
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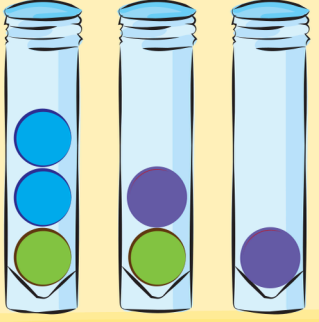
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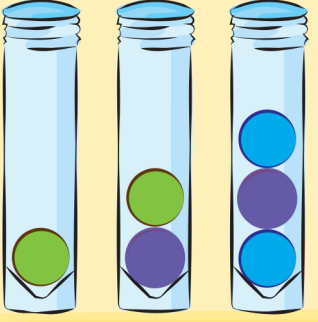
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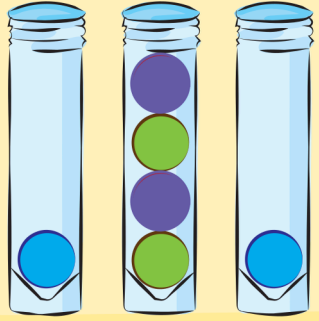
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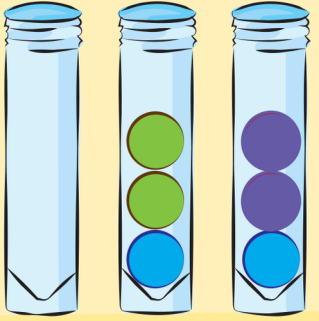
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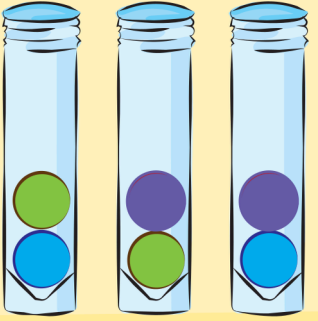
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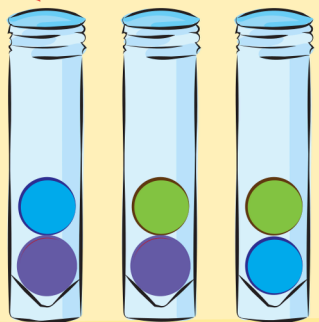
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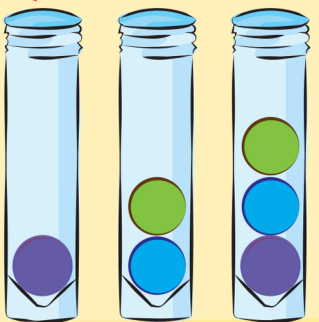
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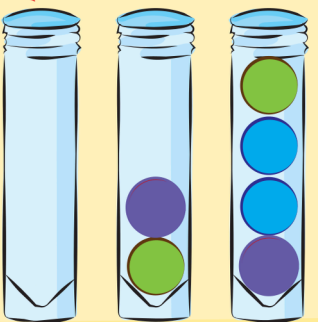
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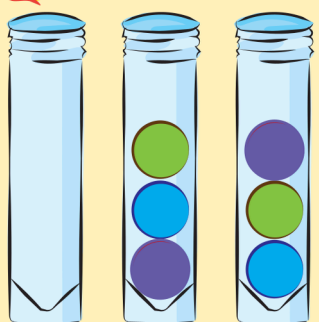
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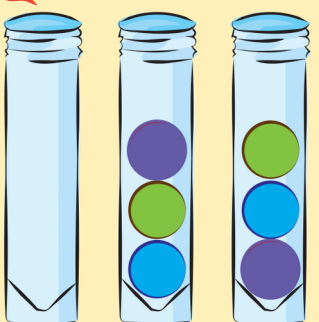
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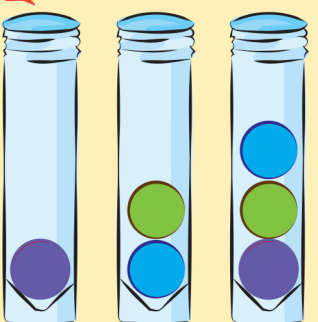
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