

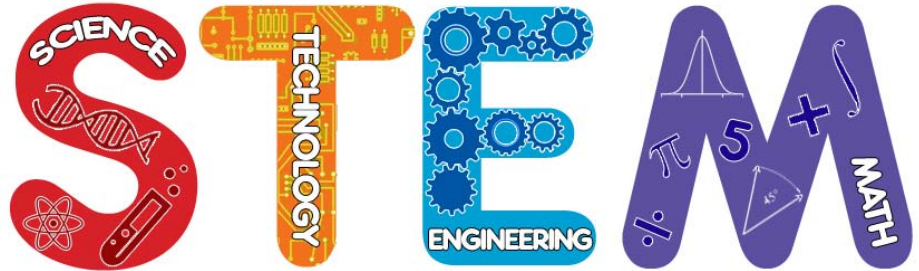
The Beadery[®] Logic Puzzles

Materials Needed:

- Mini Utility Box
- Jumbo Beads

Background:

Logic puzzles are a fun way to practice your problem solving, critical thinking and organizational skills. Using our Mini Utility Box and 25mm jumbo beads, we have set up a series of puzzles that are good for even younger kids to work out.



Tips:

- The Mini Utility box (2184) allows you to move the dividers to create up to four compartments.
- All of the puzzle clues are based on color not shape, so the different shapes in the mixes will not affect the solutions.
- Each of the jumbo bead mixes available online – opaque (1590SV076), transparent (1590SV029) and pearl (1590SV110) - have all six colors needed to complete the puzzles.

Useful Terms:

Primary colors: red, yellow, blue

Secondary colors: orange, green, purple

Warm colors: red, orange, yellow

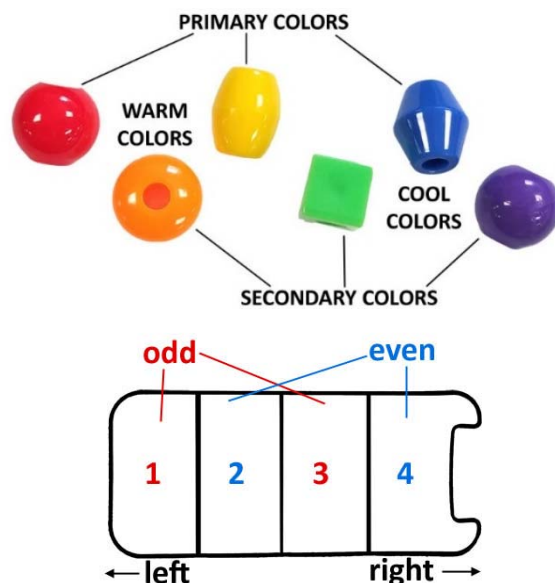
Cool colors: green, blue, purple

Odd Compartments: 1, 3

Even Compartments: 2, 4

Left: ←

Right: →



Instructions:

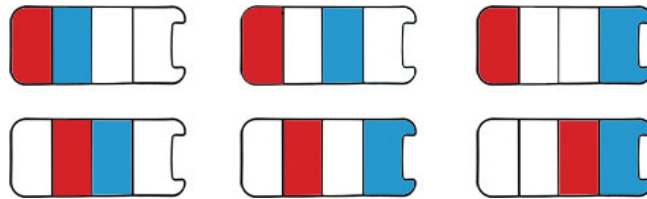
The instructions for these puzzles are relatively simple. Each puzzle will have a set of clues. Just read the clues and arrange the beads in the correct box compartments.

Example:

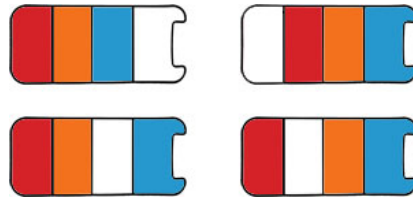
Clues:

1. Red is left of blue.
2. Orange is between two primary colors.
3. Green is not next to red.
4. No secondary colors are next to each other.

From the first clue, we know that there are six possible layouts with red being to the left of blue:



Since orange is between two primary colors, the second clue eliminates any layouts with no spaces between the red and blue, leaving only the following possibilities:



With green not being next to red, we can eliminate two more layouts:



The final clue does not allow secondary colors, orange and green in this case, to be next to each other, leaving only one possible solution:



The Beadery[®] Logic Puzzles

The first few puzzles will be a little simpler to help you get started. The solutions only use three compartments, so you will only need two dividers in the Mini Utility Box.

Puzzle #1:

Clues:

1. Only primary colors are used.
2. Yellow is left of red.
3. The center compartment has a cool color in it.

Puzzle #2:

Clues:

1. A warm color is in the center compartment.
2. Green is left of two warm colors.
3. Yellow is in an odd compartment.
4. There is only one primary color.

Now that you have mastered the easier puzzles, add the last divider into the Mini Utility Box to create four compartments. The solutions for the next group of puzzles will have one color bead in each of the four compartments.

Puzzle #3:

Clues:

1. Purple and orange are in end compartments.
2. Blue is next to orange.
3. Yellow is in an even compartment.

Puzzle #4:

Clues:

1. Yellow and red are not next to each other.
2. Green is left of yellow.
3. Blue is in an even compartment.
4. Blue is not in an end compartment.

Puzzle #5:

Clues:

1. Green is between the primary colors that it is made from.
2. Purple is next to blue.
3. The secondary colors are next to each other.
4. Purple is left of green.

Puzzle #6:

Clues:

1. Red is next to orange.
2. Green is left of the warm colors.
3. Yellow is next to another warm color.
4. A secondary color is between the primary colors that it is made from.
5. Red is not next to green.

Puzzle #7:

Clues:

1. Red is next to another primary color.
2. Green is next to another secondary color.
3. The colors are in the order of the rainbow.

Puzzle #8:

Clues:

1. Blue is next to one of the secondary colors it makes.
2. Orange is next to blue.
3. Green is to the right of blue.
4. Purple is on an end and next to orange.

Puzzle #9:

Clues:

1. Even compartments have cool colors in them.
2. End compartments do not contain secondary colors.
3. Yellow is next to blue and a secondary color it makes.

This last puzzle is a little more challenging. The solution will use four compartments and contain all six colors of beads. Each compartment will end up with at least one, but no more than two beads.

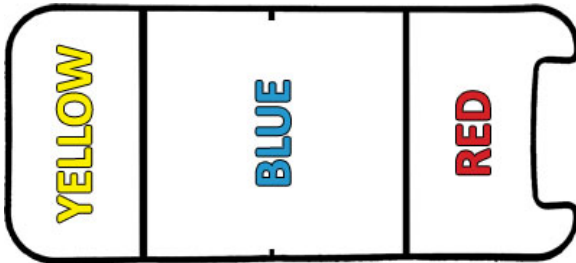
Puzzle #10:

Clues:

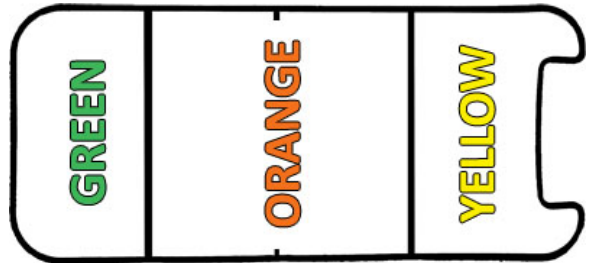
1. Blue is in a compartment with a secondary color it does not make.
2. Red is in an end compartment.
3. Yellow is between two secondary colors it makes.
4. Purple is not next to blue or in an end compartment.
5. Secondary colors are in even compartments.

The Beadery[®] Logic Puzzle Solutions

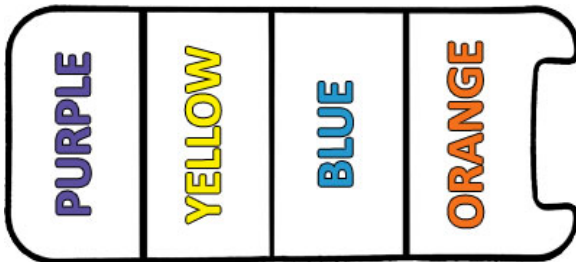
Puzzle #1



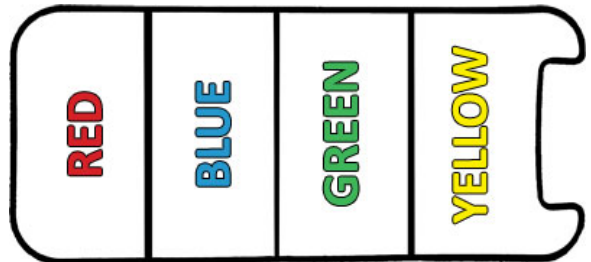
Puzzle #2



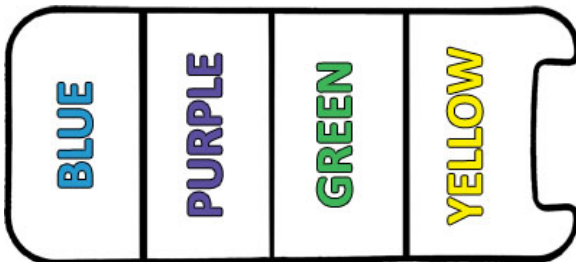
Puzzle #3



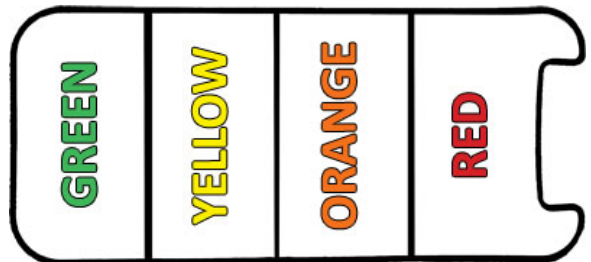
Puzzle #4



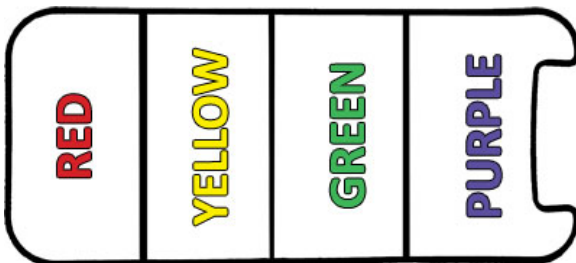
Puzzle #5



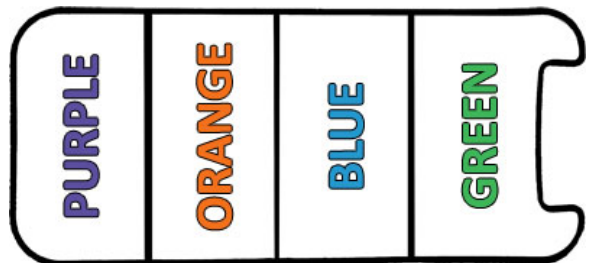
Puzzle #6



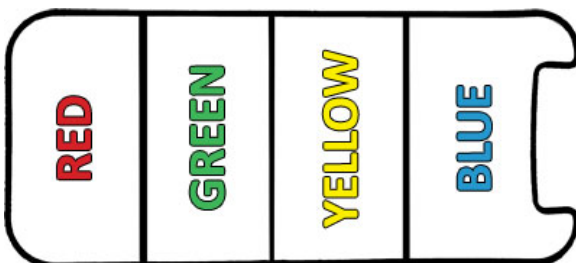
Puzzle #7



Puzzle #8



Puzzle #9



Puzzle #10

