

Sorting Colors!

You have been given 6 Color Cards with a different color on each card. Each color has a different “weight”. Follow the instructions to sort the colors from “lightest” to “heaviest” by asking **yes or no** questions about **two** colors at a time. You will end up sorting weights without actually knowing them!

1. Lay the Color Cards down in the following order: Red, Green, Yellow, Brown, Blue, and Gray. This is not the correct order. Remember, you are trying to ask questions about the colors to put them in the correct order.
2. Ask “yes” or “no” questions to try and find out where each color will go in the “lightest” to “heaviest”. (Ex: *Is Red lighter than Green?*)
3. Record your questions and answers to keep track of your work.

Record your questions and answers. If you need more space, use the back of this sheet of paper.

Write your question:

Circle Answer:

- | | |
|-----------|--------|
| 1. _____ | Yes/No |
| 2. _____ | Yes/No |
| 3. _____ | Yes/No |
| 4. _____ | Yes/No |
| 5. _____ | Yes/No |
| 6. _____ | Yes/No |
| 7. _____ | Yes/No |
| 8. _____ | Yes/No |
| 9. _____ | Yes/No |
| 10. _____ | Yes/No |
| 11. _____ | Yes/No |
| 12. _____ | Yes/No |
| 13. _____ | Yes/No |
| 14. _____ | Yes/No |

Write down the colors in their *sorted* positions here:
