Here are 6 (of many) ways one might organize the same set of numbers. What do you notice about them? Which might be good or bad organizations for quickly checking whether a given number is in the set?

| Option 1: | 8, 15, 5, 3, 21, 12, 7, 6 |
|-----------|--|
| Option 2: | 21, 15, 12, 8, 7, 6, 5, 3 |
| Option 3: | {6, 8, 12} {3, 12, 15, 21} {5, 15} {7, 21} |
| Option 4: | $\{3, 5, 21, 15, 7\}$ $\{12, 6, 8\}$ |



Option 6: {5, 6, 8, 3, 7} {12, 15} {21}