

### Characteristics of Numbers Menu Task:

Build as *few* numbers as possible to satisfy each constraint at least once.

A.	Is even	B.	Is a multiple of 3
C.	Is a perfect cube	D.	Is prime
E.	Is a factor of 72	F.	Is a perfect square
G.	Has exactly 4 factors	H.	Is odd
I.	Is composite	J.	Has both 4 and 6 as factors

*Which constraints pair nicely?*

*Which constraints cannot be paired?*

*Is it possible to solve in 2, 3, or 4 numbers?*

Describe how and why you built each number.

Be sure to identify which numbers satisfy which constraints.

