

Square Roots Menu Task:

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

Each of your numbers should be of the form $\sqrt{\quad}$

When you've satisfied every constraint, place the set of square root numbers on the number line below

A.	The square root number is a natural number	B.	The number under the root has only odd digits
C.	The square root number is larger than 4 but less than 5	D.	The number under the square root is a single digit number
E.	The number under the square root is not a perfect square but is very close	F.	The number under the square root is a two-digit non-perfect square
G.	The number under the square root is a three-digit number	H.	The number under the square root is 10 away from being a perfect square
I.	The square root number is about halfway between benchmarks	J.	The square root number is larger than 7 but less than 8

Which constraints pair nicely?

Which constraints cannot be paired?

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

Describe how and why you built each square root number.

Be sure to identify which square root numbers satisfy which constraints.

