Name:_____ Class Period: _____ Date: _____

Who said, "Motown will always be a heavy-duty part of my life because those are my roots"?

Calculators are awesome tools, but you may occasionally hit a wrong key. It is always a good idea to be able to come up with a reasonable estimate to double check the answer your calculator gives you.
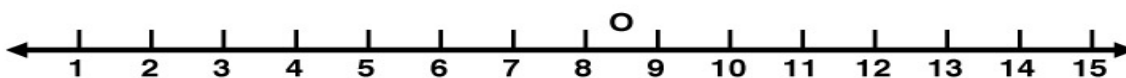
To estimate a square root, think about what two perfect squares the number falls between. For example 78 falls between 64 and 81. The square root of 64 is 8 and the square root of 81 is 9. So, the square root of 78 will be between 8 and 9.   ($\sqrt{78} \approx 8.832$)

Estimate each square root. Put the letter next to it in the spot where the square root falls on the number line below.

O. $\sqrt{78}$ **Is between 8 and 9**   E. $\sqrt{31}$ S. $\sqrt{150}$

I. $\sqrt{112}$ N. $\sqrt{200}$ K. $\sqrt{20}$

Y. $\sqrt{42}$ B. $\sqrt{90}$ N. $\sqrt{135}$

O. $\sqrt{175}$ S. $\sqrt{3}$ R. $\sqrt{58}$

M. $\sqrt{7}$ O. $\sqrt{11}$

Born in 1940

O
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15