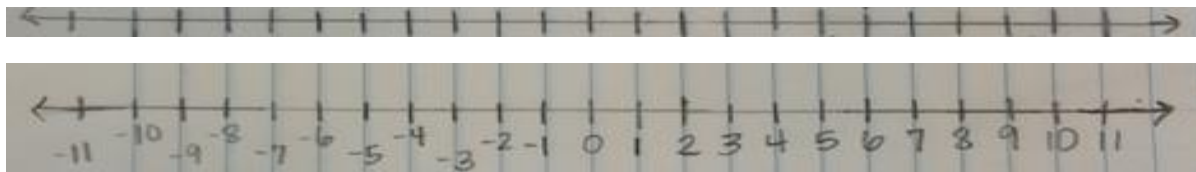


Name _____ Period ____ Date _____

It's Hip to be an (imperfect) square!

On the strip provided for you and your partner (or group,) Create a double number line similar to the one below. Label the square roots with perfect squares on the unmarked number line. The first one is shown for you below.



Next, cut the numbers below (ONLY CUT on dotted line!!)

Then, take turns placing your numbers on the numberline where they belong. You will BOTH use all of your squares, but only one square can be placed at a time, no doubling up!

Record your estimated answer for each number square below to the nearest whole number & the nearest tenth.

Once your answers have been placed correctly, paste the squares onto the numberline.

HINT: Think about the rules for multiplying integers. ☺

- | | | | | | | | | |
|----------------|-------|-------|----------------|-------|-------|----------------|-------|-------|
| 1. $\sqrt{27}$ | _____ | _____ | 2. $\sqrt{8}$ | _____ | _____ | 3. $\sqrt{76}$ | _____ | _____ |
| 4. $\sqrt{48}$ | _____ | _____ | 5. $\sqrt{17}$ | _____ | _____ | 6. $\sqrt{97}$ | _____ | _____ |

Explain WHY you were able to use BOTH sets of numbers

Explain the strategy used to place the number squares on the numberline.

ONLY CUT BELOW THIS LINE!!!! Turn in the work above for credit!!! ☺

