



SET E-1

This is an example of our A-Z Math problem set. This particular set is at 8th Grade level. 85% or higher accuracy is required to move to the next level.

1. (Calculator) Round each answer to the nearest hundredth.
 $(3.2 \times 10^4)/.004 =$
 $(.0873 \times .0014)/(.001)^2 =$
 $\sqrt{65} + \sqrt{73} =$
 $\sqrt{11} - \sqrt{135} =$
 $\sqrt{15} - \sqrt{137} =$
2. Find a set of 5 numbers where the median and the mode are equal.
3. Find 2 shapes, a triangle and a rectangle that have equal areas. What are the dimensions of each shape?
4. (No Calculator) you found the square footage of my office in C-3. If my office is 12.5% of the whole complex, how many ft² will be in the whole complex?
5. (Calculator) If the value of a currency was \$82 per unit in 2022, and 40% higher in 2023, and 15% higher than 2023 in 2024, what is the value of the currency today?
6. (Calculator and Internet) Find the first 10 houses that you see for sale online and find the average sale price.
7. If I roll 5 dice, how many possible outcomes are there?
8. If a swimming pool is in the shape of a rectangle, and its dimensions are 15ft. by 40ft., and its average depth is 5ft. and this pool holds 22,500 gallons of water, then how much water would a diving pool hold with twice the dimensions and twice the average depth?