Some more practice exercises to construct Large memories using Small memory chips:

1. Construct a memory of 2048 bytes size using 256 X 4 RAM chips.
   1. How many chips are required?
   2. How many chips will be placed per row?
   3. How many rows will be there?
   4. How many total address lines are required?
   5. How many address line are required for each chip and how many address lines required for chip select lines?
   6. What is the size of the decoder?
2. Given RAM chips of 1024 X 1, construct a memory of size 1024 bytes.
   1. How many chips are needed?
   2. Show all the connections between Processor and the memory.