**PC Maintenance and Repair - RAM Speed**

|  |  |
| --- | --- |
| **Unit of measurement** | **Actual # of Bits** |
| byte (B) |  |
| kilobyte (KB) |  |
| megabyte (MB) |  |
| gigabyte(GB) |  |
| terabyte (TB) |  |

**Directions**: for each of the following CPUs or RAM sticks, calculate the data transfer rate:

|  |  |  |
| --- | --- | --- |
| **Item Description** | **Write out formula** | **Data Transfer Rate (include units)** |
| 3.1 GHz CPU with 64 bit data path |  |  |
| DDR3 RAM 2400 MHz - 64 bit |  |  |
| 833 MHz CPU with 16 bit data path |  |  |
| 112 MHz RAM with 8 bit data path |  |  |
| 4.7 GHz CPU with 128 bit data path |  |  |
| DDR4 3200 MHz RAM with 64 bit data path |  |  |