**Worksheet 1 - Units and conversions**

1. Convert the bandwidths given below to bps:
   1. 55 Mbps

55000000

* 1. 4.5 Gbps

562500000

* 1. 32 MBps

4000000

* 1. 85 KBps

10625

* 1. 24 Kbps

4000

1. Convert the times below into seconds:
   1. 2.53 ms

0.00253

* 1. 100 µs
  2. 0.33 ms

0.00033

* 1. 55 ns
  2. 85.3 ms

0.0853

1. Convert the following file sizes:
   1. 1455 Mb into Gb
   2. 85 GB into Mb
   3. 1077 Kb into Gb
   4. 25000000 Mb into GB
   5. 105 Mbps into GBps
   6. 1100 KBps into Mbps
   7. 3340 Gbps into MBps
   8. 5400 Kb into MB
   9. 0.305 GBps into Kbps
   10. 8000 KB into Gb
   11. 0.0000054 Gb into B
   12. 1055 Bps into Kbps
   13. 0.0000012 Mbps into KBps