

## Computers: Inside & Out - Bits & Bytes

### Byte Math Worksheet

Convert the following bytes into kilobytes (KB).

Remember: 1,000 bytes = 1KB.

- |                                |                                  |
|--------------------------------|----------------------------------|
| 1. 32,000 bytes = <u>32</u> KB | 6. 360,000 bytes = <u>360</u> KB |
| 2. 4,000 bytes = <u>4</u> KB   | 7. 450,000 bytes = <u>450</u> KB |
| 3. 6,000 bytes = <u>6</u> KB   | 8. 235,000 bytes = <u>235</u> KB |
| 4. 75,000 bytes = <u>75</u> KB | 9. 427,000 bytes = <u>427</u> KB |
| 5. 26,000 bytes = <u>26</u> KB | 10. 500 bytes = <u>0.5</u> KB    |

Convert the following bytes into megabytes (MB).

Remember: 1,000,000 (1 million) bytes = 1MB.

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|-------------------------------------|---------------------------------------|
| 11. 2,000,000 bytes = <u>2</u> MB   | 16. 128,000,000 bytes = <u>128</u> MB |
| 12. 64,000,000 bytes = <u>64</u> MB | 17. 256,000,000 bytes = <u>256</u> MB |
| 13. 32,000,000 bytes = <u>32</u> MB | 18. 40,000,000 bytes = <u>40</u> MB   |
| 14. 8,000,000 bytes = <u>8</u> MB   | 19. 6,000,000 bytes = <u>6</u> MB     |
| 15. 16,000,000 bytes = <u>16</u> MB | 20. 500,000 bytes = <u>0.5</u> MB     |

Convert the following bytes into gigabytes (GB).

Remember: 1,000,000,000 (1 billion) bytes = 1GB.

- |   |                                       |
|---|---------------------------------------|
| 21. 20,000,000,000 bytes = <u>20</u> GB | 24. 4,000,000,000 bytes = <u>4</u> GB |
| 22. 7,000,000,000 bytes = <u>7</u> GB   | 25. 500,000,000 bytes = <u>0.5</u> GB |
| 23. 13,000,000,000 bytes = <u>13</u> GB |                                       |