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|  | Converting Binary to Decimal (A) | | |
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|  | Write each binary number as a decimal number.  **11110000-**-----🡪  **The number increases from right to left.**.  1110 24= 2\*2\*2\*2   |  |  |  | | --- | --- | --- | |  |  | Decimal | | 27 | 1 | 128 | | 26 | 1 | 64 | | 25 | 1 | 32 | | 24 | 1 | 16 | | 23 | 0 | 0 | | 22 | 0 | 0 | | 21 | 0 | 0 | | 20 | 0 | 0 | | | |
|  |  | | |
| 1. | Binary = 1001  Decimal =8+1=9 | 2. | Binary = 100000  Decimal =32 |
| 3. | Binary = 1100101101  Decimal =20=1  22=4  23=8  25=32  28=256  29=512  Answer=813 | 4. | Binary = 100001000  Decimal = |
| 5. | Binary = 10101001  Decimal = | 6. | Binary = 1010000100  Decimal = |
| 7. | Binary = 1011010111  Decimal = | 8. | Binary = 1010101111  Decimal = |
| 9. | Binary = 1101111110100 10.  Decimal = | | Binary = 110110101111  Decimal = |
|  | Math-Drills.com | |  |

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|  | Converting Binary to Decimal (A) Answers | | |
|  | Write each binary number as a decimal number. | | |
| 1. | Binary = 1001  Decimal = 9 | 2. | Binary = 100000  Decimal = 32 |
| 3. | Binary = 1100101101  Decimal = 813 | 4. | Binary = 100001000  Decimal = 264 |
| 5. | Binary = 10101001  Decimal = 169 | 6. | Binary = 1010000100  Decimal = 644 |
| 7. | Binary = 1011010111  Decimal = 727 | 8. | Binary = 1010101111  Decimal = 687 |
| 9. | Binary = 1101111110100 10.  Decimal = 7156 | | Binary = 110110101111  Decimal = 3503 |
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