

Number System Conversions

Name: _____ Date: _____



Fill in the blanks to each of the statements, converting the values from one number system to another.

- (1) 3 in decimal is equal to ____ in binary
- (2) A in hexadecimal is equal to ____ in decimal
- (3) 18 in hexadecimal is equal to ____ in decimal
- (4) 70 in decimal is equal to ____ in hexadecimal and ____ in octal
- (5) D6 in hexadecimal is equal to ____ in decimal
- (6) 330 in decimal is equal to ____ in octal and ____ in hexadecimal
- (7) 398 in decimal is equal to _____ in binary and ____ in hexadecimal
- (8) 111001001 in binary is equal to ____ in decimal and ____ in octal
- (9) 650 in decimal is equal to ____ in octal
- (10) 4 in octal is equal to ____ in decimal
- (11) 7 in decimal is equal to ____ in binary and ____ in octal
- (12) 11 in octal is equal to ____ in decimal and ____ in hexadecimal
- (13) 16 in octal is equal to ____ in decimal and ____ in binary
- (14) 447 in octal is equal to ____ in decimal
- (15) 562 in decimal is equal to ____ in hexadecimal and _____ in binary
- (16) 775 in decimal is equal to ____ in hexadecimal and _____ in binary
- (17) 824 in decimal is equal to ____ in octal and _____ in binary
- (18) 3C1 in hexadecimal is equal to ____ in decimal and _____ in binary

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ANSWER KEY



Fill in the blanks to each of the statements, converting the values from one number system to another.

- (1) 3 in decimal is equal to 11 in binary
- (2) A in hexadecimal is equal to 10 in decimal
- (3) 18 in hexadecimal is equal to 24 in decimal
- (4) 70 in decimal is equal to 46 in hexadecimal and 106 in octal
- (5) D6 in hexadecimal is equal to 214 in decimal
- (6) 330 in decimal is equal to 512 in octal and 14A in hexadecimal
- (7) 398 in decimal is equal to 110001110 in binary and 18E in hexadecimal
- (8) 111001001 in binary is equal to 457 in decimal and 711 in octal
- (9) 650 in decimal is equal to 1212 in octal
- (10) 4 in octal is equal to 4 in decimal
- (11) 7 in decimal is equal to 111 in binary and 7 in octal
- (12) 11 in octal is equal to 9 in decimal and 9 in hexadecimal
- (13) 16 in octal is equal to 14 in decimal and 1110 in binary
- (14) 447 in octal is equal to 295 in decimal
- (15) 562 in decimal is equal to 232 in hexadecimal and 1000110010 in binary
- (16) 775 in decimal is equal to 307 in hexadecimal and 110000111 in binary
- (17) 824 in decimal is equal to 1470 in octal and 1100111000 in binary
- (18) 3C1 in hexadecimal is equal to 961 in decimal and 111100001 in binary