Number System Conversions

Name: _____ **Date:** _____

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

(1) 10 in decimal is equal to ____ in hexadecimal

(2) B in hexadecimal is equal to ____ in decimal and _____ in binary

(3) 49 in decimal is equal to ____ in octal and _____ in binary

(4) 4F in hexadecimal is equal to ____ in decimal and ____ in octal

(5) 165 in octal is equal to ____ in decimal

(6) 128 in decimal is equal to ____ in hexadecimal and _____ in binary

(7) 462 in decimal is equal to _____ in hexadecimal

(8) 585 in decimal is equal to _____ in binary

(9) 894 in decimal is equal to _____ in binary and _____ in octal

(10) 1 in decimal is equal to ____ in octal

(11) 100 in binary is equal to ____ in decimal and ____ in hexadecimal

(12) 10 in octal is equal to ____ in decimal

(13) 50 in decimal is equal to ____ in hexadecimal and _____ in binary

(14) 1000000 in binary is equal to ____ in decimal and ____ in octal

(15) 51 in hexadecimal is equal to ____ in decimal

(16) 125 in octal is equal to ____ in decimal and _____ in binary

(17) 375 in octal is equal to ____ in decimal and ____ in hexadecimal

(18) 363 in decimal is equal to ____ in hexadecimal and _____ in binary

(19) 839 in decimal is equal to _____ in octal and _____ in binary

Number System Conversions
ANSWER KEY

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

(1) 10 in decimal is equal to A in hexadecimal

(2) B in hexadecimal is equal to 11 in decimal and 1011 in binary

(3) 49 in decimal is equal to 61 in octal and 110001 in binary

(4) 4F in hexadecimal is equal to 79 in decimal and 117 in octal

(5) 165 in octal is equal to 117 in decimal

(6) 128 in decimal is equal to 80 in hexadecimal and 10000000 in binary

(7) 462 in decimal is equal to 1CE in hexadecimal

(8) 585 in decimal is equal to 1001001001 in binary

(9) 894 in decimal is equal to 1101111110 in binary and 1576 in octal

(10) 1 in decimal is equal to 1 in octal

(11) 100 in binary is equal to 4 in decimal and 4 in hexadecimal

(12) 10 in octal is equal to 8 in decimal

(13) 50 in decimal is equal to 32 in hexadecimal and 110010 in binary

(14) 1000000 in binary is equal to 64 in decimal and 100 in octal

(15) 51 in hexadecimal is equal to 81 in decimal

(16) 125 in octal is equal to 85 in decimal and 1010101 in binary

(17) 375 in octal is equal to 253 in decimal and FD in hexadecimal

(18) 363 in decimal is equal to 16B in hexadecimal and 101101011 in binary

(19) 839 in decimal is equal to 1507 in octal and 1101000111 in binary