



Number System Conversions

Convert from one base to the other

Name_____ Date_____

(1) From dec to base-4: 1027

(2) From decimal to HEX: 503

(3) From binary to hex: 10101001110

(4) From HEX to decimal: 5A6

(5) From binary to decimal: 111110111

(6) From decimal to octal: 1103

(7) From decimal to HEX: 533

(8) From dec to base-8: 505

(9) From hex to binary: 2B9

(10) From decimal to octal: 995

(11) From octal to decimal: 1156

(12) From HEX to decimal: 4F3

(13) From octal to decimal: 1731

(14) From dec to binary: 710



Number System Conversions

Convert from one base to the other

Name _____ Date _____

A N S W E R K E Y

(1) From dec to base-4: 1027

= 100003

(2) From decimal to HEX: 503

= 1F7

(3) From binary to hex: 10101001110

= 54E

(4) From HEX to decimal: 5A6

= 1446

(5) From binary to decimal: 111110111

= 503

(6) From decimal to octal: 1103

= 2117

(7) From decimal to HEX: 533

= 215

(8) From dec to base-8: 505

= 771

(9) From hex to binary: 2B9

= 1010111001

(10) From decimal to octal: 995

= 1743

(11) From octal to decimal: 1156

= 622

(12) From HEX to decimal: 4F3

= 1267

(13) From octal to decimal: 1731

= 985

(14) From dec to binary: 710

= 1011000110