Elementary, Number Conversion

Name _____   **Date** _____

Convert the following numbers to the required base

(1) From HEX to decimal: 17644

(2) From decimal to octal: 93543

(3) From decimal to HEX: 15882

(4) From octal to decimal: 120416:

(5) From HEX to decimal: 111EB

(6) From decimal to octal: 45892:

(7) From binary to HEX: 10100100010111001

(8) From decimal to binary: 7005:

(9) From dec to base-3: 47367

(10) From decimal to HEX: 18398:

(11) From octal to decimal: 266000

(12) From dec to base-6: 78330:

Answers

Convert the following numbers to the required base

(1) From HEX to decimal: 17644

$= \mathbf{95812}$

(2) From decimal to octal: 93543

$= \mathbf{266547}$

(3) From decimal to HEX: 15882

$= \mathbf{3E0A}$

(4) From octal to decimal: 120416

$= \mathbf{41230}$

(5) From HEX to decimal: 111EB

$= \mathbf{70123}$

(6) From decimal to octal: 45892

$= \mathbf{131504}$

(7) From binary to HEX: 10100100010111001

$= \mathbf{148B9}$

(8) From decimal to binary: 7005

$= \mathbf{1101101011101}$

(9) From dec to base-3: 47367

$= \mathbf{2101222100}$

(10) From decimal to HEX: 18398

$= \mathbf{47DE}$

(11) From octal to decimal: 266000

$= \mathbf{93184}$

(12) From dec to base-6: 78330

$= \mathbf{1402350}$