

1 Year 7 Term 1 Week 1 Answers (Last modified: January 13, 2012)

E 1.1.1 (1) 316 ; (2) 84 ; (3) 947 ; (4) 499 ; (5) 808 ;

E 1.1.2 (1) *CCXIII* ; (2) *DCXLIX* ; (3) *MCDLII* ; (4) *MMVIII* ;
(5) *D̄X̄L̄MMDCXXXVII* ;

E 1.1.3 (1) 5 tens ; (2) 5 hundred thousands ; (3) 5 thousands ; (4) 5 hundreds ;

E 1.1.4 (1) $9 \times 1,000 + 3 \times 100 + 4$;

(2) $5 \times 10,000 + 7 \times 10 + 3$;

(3) $3 \times 100,000 + 2 \times 100 + 7 \times 10 + 3$;

(4) $4 \times 100,000 + 8 \times 10,000 + 3 \times 10 + 4$;

(5) $2 \times 100,000 + 2 \times 10$;

(6) $6 \times 1,000,000 + 3 \times 100,000 + 4 \times 1,000 + 9 \times 100 + 2 \times 10 + 2$;

(7) $4 \times 1,000,000 + 3 \times 1,000 + 6$;

E 1.1.5 (1) $4 \times 10^3 + 2 \times 10^1 + 9 \times 10^0$;

(2) $2 \times 10^4 + 3 \times 10^3 + 7 \times 10^1 + 2 \times 10^0$;

(3) $2 \times 10^4 + 2 \times 10^2 + 3 \times 10^1 + 8 \times 10^0$;

(4) $2 \times 10^5 + 1 \times 10^2$;

(5) $5 \times 10^5 + 8 \times 10^2 + 3 \times 10^1$;

(6) $3 \times 10^6 + 4 \times 10^5 + 7 \times 10^4 + 2 \times 10^3 + 4 \times 10^2 + 8 \times 10^0$;

(7) $8 \times 10^6 + 2 \times 10^3 + 5 \times 10^2$;

E 1.1.6 (1) 10,000 ; (2) 1897 ; (3) 22,983 ; (4) 257,291 ;

E 1.1.7 (1) 38,917 ; (2) 1093 ; (3) 453,582 ; (4) 16,198 ;

E 1.1.8 (1) 47,104 ; (2) 91,560 ; (3) 303,909 ; (4) 327,660 ;

E 1.1.9 (1) 447.5 ; (2) 107 ; (3) 234 ; (4) 325 ;

E 1.2.1 (1) \$880 ; (2) 56 m ; (3) \$23 ; (4) a. 60 questions, b. 120 points ;

Diagnostic Test Answers:

(1) a. *CCLIII* ; b. *MMDCLXXVIII* ; c. *CMXLIV* ; d. *XX̄M̄V̄DCV* ;

(2) a. 26 , b. 537 ; c. 1733 ; d. 269040 ;

(3) Two million four hundred and fifty thousand and thirty nine ;

(4) 1082 ;

(5) 9387 ;

(6) 10,000 times ;

(7) 1, 2, 3, 4, 6, 8, 12, 16, 24, 48 ;

(8) 6624 ; (9) a. 96 , b 2 , c. 1948 ;

(10) $2^3 \times 3^2$;

(11) $3^2 \times 5^2$;

(12) $2 \times 10^4 + 5 \times 10^3 + 7 \times 10^2 + 6 \times 10^1 + 9 \times 10^0$;

(13) 5,036,209 ;

(14) \$1862 ;

(15) $\frac{5}{16}$;