

3.1 Year 5 Term 2 Week 3 Answers (Last modified: February 15, 2017)**3.1.1 Topic 1 — Fractions and Decimals**

(1-1) a. $\frac{7}{20}$; b. $\frac{7}{12}$; c. 1 ; d. $\frac{19}{30}$; e. 1 ; f. $\frac{1}{5}$;

(1-2) a. $\frac{7}{18}$; b. $\frac{5}{6}$; c. 3 mins ;

(1-3) a. 9.33 ; b. 11.99 ; c. 1.05 ;

3.1.2 Topic 2 — Percentages

(2-1) \$40 ; (2-2) \$159 ; (2-3) \$12.72 ; (2-4) \$1961.54 or \$1962 ;

(2-5) 108.64 kg or 109 kg ; (2-6) 15% ;

3.1.3 Topic 3 — Money Problems

(3-1) \$216,000 ; (3-2) \$24 ; (3-3) \$13.50 ; (3-4) \$1.10 ; (3-5) \$5082.00 ;

3.1.4 Topic 4 — Factors, Multiples and Primes

(4-1) a. 10 [1,2,3,4,6,8,12,16,24 and 48] ; b. 12 [1,2,3,4,6,9,12,18,27,36,54,108] ;

c. 12 [1,2,4,5,8,10,20,25,40,50,100,200] ;

(4-2) a. 1, 2, 3 and 6 ; b. 1, 2 and 4 ; c. 1 and 3 ;

(4-3) a. 2, 3, 5, 7, 11, 13, 17 and 19 ; b. 100 ; (4-4) a. 112 ; b. $\frac{4}{5}$;

3.1.5 Problem Solving

(1) a. $x=15$; b. $x=\frac{1}{12}$; c. $x=64$; d. $x=-3$; e. $x=7$;

(2) a. $x=5$; b. $x=3\frac{4}{5}$ or $x=3.8$; c. $x=9$; d. $x=8$; e. $x=-2$;

(3) a. 13 ; b. 16 ; c. 16 ; d. 24 ; e. 54 ; f. 10 ;

3.1.6 Test Paper 3

(A-1) C ; (A-2) B ; (A-3) A ; (A-4) D ; (A-5) B ; (A-6) C ; (A-7) D ; (A-8) D ; (A-9) C ; (A-10) A ;
(B-1) 5 ; (B-2) 9 ; (B-3) 24 bunches ; (B-4) \$60 ; (B-5) 200 ; (B-6) 51 ; (B-7) 2010 ;
(B-8) 100 ; (B-9) 10 L ; (B-10) 40 mins ;
(C-1) 2.1 kg ; (C-2) 480 students ; (C-3) 125 ; (C-4) $7\frac{1}{6}$; (C-5) 14 cm [perimeter=56 cm] ;
(C-6) \$58.00 ; (C-7) $2\frac{7}{9}$; (C-8) 20%increased [1.2 times] ; (C-9) 45 ; (C-10) 48 units ;
(D-1) 209 ;(D-2) 18.2 kg ; (D-3) 189 hair-clips ; (D-4) \$25.00 ; (D-5) A=2, B=1 ; (D-6) $\frac{7}{31}$;
(D-7) 24 more stamps ; (D-8) 14 *unit*²;