

3 Year 7 Term 1 Week 3 Answers (Last modified: January 13, 2012)

E 3.1.1 (1) 12 ; (2) $\frac{1}{3}$; (3) 20 ;

E 3.1.2 (1) $42 \div (2 \times 3) = 7$; (2) $8 + 5 - (3 + 6) = 4$; (3) $(49 \div 7 - 4) \times 3 = 9$; (4) $31 - (35 \div 7 + 8) = 18$;
(5) $50 - 7 \times 3 - (5 + 4) = 20$;

E 3.1.3 (1) $14 \times (12 - 8) = 56$; (2) $11 \times (18 - 13) = 55$; (3) $7 \times (12 + 6) = 126$;
(4) $25 \times (16 - 6) = 250$; (5) $\frac{4 \times (12 - 7)}{4 \times 8} = \frac{5}{8}$;

E 3.1.4 (1) 1440 ; (2) 132 ; (3) $\frac{7}{15}$;

E 3.1.5 (1) 5 ; (2) 12 ; (3) 5 ; (4) 3 ; (5) 12 ; (6) 12 ; (7) 6 ; (8) 11 ;

E 3.1.6 (1) 44500 ;

(2) 76 girls [$M+W+C=1680$, $M=2(W+C)$, $3(W+C)=1680$, $C=114$, $G = \frac{2}{3} \times 114$] ;

(3) $A = \$8.55$, $G = \$15.45$, [$A+E+G=48$, $E=5(A+G)$, $6(A+G)=48$, $(A+G)=8$] ;

(4) 2307, [$c + s + g = 4500$, $4(c + g) = 4500$, $(c + g) = 1125$, $s = 3(1068 + 57) = 3375$] ;

E 3.2.1 (1) even ; (2) even ; (3) even ; (4) odd ; (5) even ; (6) even ; (7) even ; (8) odd ;
(9) odd ; (10) even ;

E 3.2.2 (1) 999 ; (2) 100 ; (3) 987 ; (4) 102 ; (5) 986 ; (6) 103 ; (7) 102 ; (8) 995 ;

Diagnostic Test 3

(1) a. 10.5 ; b. 51 ; c. 467 ; d. 32404 ;

(2) 47.5 min ; (3) 3 ; (4) 7 ; (5) 105 ; (6) 4958 ; (7) 1671 ; (8) 9774 ; (9) odd ; (10) even ;

(11) 22960 [$16480 + 6480$] ;

(12) 20,000 km [$\frac{4}{5} \times 25,000$] ;

(13) 72 hrs or 3 days [$\frac{12 \times 60}{10}$] ;

(14) 370 [$B + R = 640$, $B + 170 = 5R$] ;

(15) $A = 15$ kg , $B = 20$ kg , $C = 25$ kg , [$A + B = 35$; $B + C = 45$, $A + C = 40$] ;