

8 Year 8 Term 1 Week 8 Answers

8.1 Topic Test Answers (Algebra)

(1) $(12a + 3) + 6 = 12a + 9$;

(2) $18a + 23$;

(3) $\frac{7a}{3b}$;

(4) $8c^2 - 9c + 4b$;

(5) $6y^2$;

(6) $-125a^{18}$;

(7) $(2a + 2b)^2$ or $4(a + b)^2$;

(8) $5x^4 - 42x^2 - 27$;

(9) 59 ;

(10) $\frac{7x}{12}$;

(11) $\frac{37x-7}{15}$;

(12) 84 km/h ;

(13) $P = 12x + 6 \text{ cm}$, $A = 8x^2 - 18 \text{ cm}^2$;

(14) -6 ;

(15) -0.405 ;

(16) $\$2.5 \text{ M}$;

(17) $\frac{7x-6}{12}$;

(18) $8\frac{1}{3}$;

(19) $\frac{24x+7}{6}$;

(20) $y = 3x + 2$;

E 8.2.1 (1) Netball; (2) $\frac{5}{18}$; (3) 60 ; (4) 30° ;

E 8.2.2 (1) Manly ; (2) 10% ; (3) DeeWhy ; (4) 36 ;

(5) a. Manly = 130° , b. Harbord = 58° , c. Collariy 50° , d. Narrabbleen 36° ,
e. DeeWhy = 86° ;

E 8.2.3 (1) 2002, first Quarter; (2) 2400 KWh ; (3) 2003 ;

(4) 1st abd 3rd quarter in both years ; Summer and Autumn when airconditions are used.