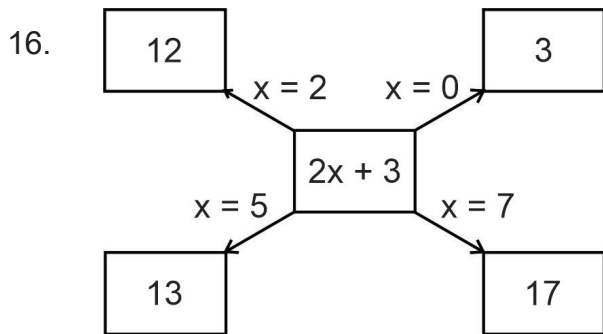


Chapter-4

Worksheet-1

Answer Key

1. (c) 2. (d) 3. (d) 4. (c) 5. (b)
6. 16 7. $\frac{(50-x)}{2}$ 8. $90x + 70y + 120$
9. $12c + 14d$ 10. $4b + 10$ 11. 0
12. Total distance = $2s + 3t = 340$ km
13. $10x + 15y + 20z$, 15
14. $2a + 8b - 8c$, 2
15. (a) $15x - 4$
(b) $2x + 7$
(c) $5x + 9$
(d) $9x + 5y$

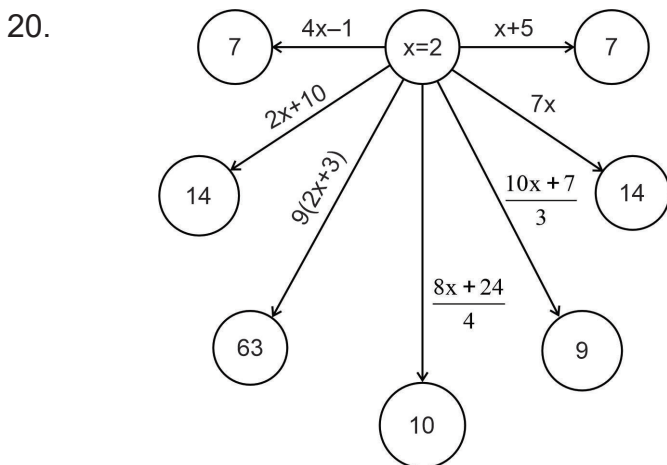


17. $3x + 3y + 4p + 5q$

18. $-13x - 3y + 12z$

19.

x	0	1	2	3	4	5	6	7	8	9	10
y	3	5	7	9	11	13	15	17	19	21	23



Assertion & Reason

1. (a) 2. (b) 3. (d)

Case Study Based Questions

1. i. (d) ii. (b) iii. (a) iv. (c)
2. i. (d) ii. (c) iii. (d) iv. (b)

Worksheet-2

1. (b) 2. (c) 3. (d) 4. (c) 5. (b)

6. $4a + 2b$ 7. $p(20 - q)$ or $20p - pq$

8. $5(s + 3)$ or $(5s + 15)$ 9. 33 10. 15

11. $(13x + 55y)$, 191

12. $2(6x + 8)$ cm 13. $(10x + 10)$ ₹

14. $(3x + 10)$ years, $(3x + 20)$ years

15. $(3x + 10)$ m.

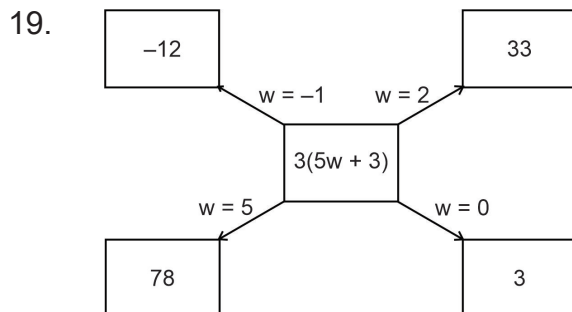
16. (i). $2x + 9 = 27$ ii. $x + y - pq$

(iii). $\frac{3}{4}x(x^3 - y^2)$ (iv). $\frac{4}{5}y + ab$

17.

x	1	2	3	4	5	6	7	8
y	20	26	32	38	44	50	56	62

18. $-3x - 10xy$, 235



20. (i). Sum of first diagonal = $a + a + 8 = 2a + 8$
Sum of second diagonal = $a + 1 + a + 7 = 2a + 8$
Both sums are equal.
(ii). Dates in grid = 24, 25, 31 and 32

Assertion & Reason

- i. (a) 2. (b) 3. (c)

Case Study Based Questions

1. i. (b) ii. (c) iii. (d) iv. (a)
2. i. (b) ii. (c) iii. (c) iv. (a)

