

## Chapter-2

### Worksheet-1

#### Answer Key

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

6.  $42 \div 7$ ,  $75 - 60$ ,  $3^3 + 2$ ,  $13 + 17$ ,  $6 \times 8$

7. (a)  $34 - (9 + 12) = 13$  (b)  $(56 - 14) - 8 = 34$

8. (a)  $7 \times (12 + 5) = 7 \times 17 = 119$  (b)  $30 - (4 \times 3) = 30 - 12 = 18$

9.  $(8 \times 55) + (6 \times 75) = 440 + 450 = ₹ 890$

10. 55 11. 925

12. Expression:

$$(15 \times 12) + (10 \times 8) - 50$$

$$180 + 80 - 50 = ₹ 210$$

13. Expression =  $3 \times (45 + 28) - 72$

$$= 3 \times 73 - 72 = 219 - 72 = 147$$

14. (i) 60 (ii) 7 (iii) 75 (iv) 82

15. (i)  $\frac{16}{5}$  (ii)  $\frac{19}{7}$

16. 100 oranges, ₹ 2300

18. Expression:

$$(6 \times 120) + (4 \times 15) + (2 \times 350)$$

$$\text{Total cost} = 720 + 60 + 700 = ₹ 1480$$

$$\text{Amount was extra so she receive balance amount} = 2000 - 1480 = ₹ 520$$

18. Expression:

$$(6 \times 3 \times 15) + (120 \times 2 \times 12) + 350$$

$$270 + 2880 + 350 = ₹ 3500$$

19.  $(10 \times 3 \times 30) + (10 \times 2 \times 40) + (10 \times 50)$

$$₹ 900 + ₹ 800 + ₹ 500$$

$$= ₹ 2200$$

$$\text{Contribution per person} = 2200 \div 10 = ₹ 220$$



20. (a)  $50 + 30 = 80$   
(b)  $60 - 35 = 25$   
(c)  $70 + 12 = 82$   
(d)  $60 - 10 = 50$

### Assertion & Reason

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

### Case Study Based Questions

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

### Worksheet-2

1. (d) 2. (d) 3. (a) 4. (c) 5. (a)  
6. Expression  $\rightarrow (85 + 39) \times 4 + 96$   
 $124 \times 4 + 96$   
 $496 + 96 = 592$   
7. 21 8. 165  
9. i.  $15 - 3 \times 4 = 3$   
ii.  $(18 + 12) \div 6 = 5$   
10. 96  
11. (a)  $>$  (b)  $<$  (c)  $>$  (d)  $>$   
12. (i)  $\rightarrow$  Expression is greater than (ii)  $\rightarrow$  expression by 1  
13.  $100 \times 5 + 50 \times 4 + 20 \times 7 + 10 \times 3$   
5 notes of ₹ 100, 4 notes of ₹ 50, 7 notes of ₹ 20, 3 notes of ₹ 10  
14. ₹ 1370  
15. (a) 15 subtracted from the product of 8 and 24. (177)  
(b) Product of 19 and 7 added to product of 21 and 3. (196)  
(c) Sum of 37 and 53 divided by 9 (10)



16.  $(200 \times 150) + (5 \times 3000) + (10 \times 360)$

Total cost = ₹ 48600

Remnaining amount = ₹ 50,000 – ₹ 48,600 = ₹ 1400

17. (a) -8 (b) -20 (c) 0 (d) 8

18. (i) 720 ii. 580 They are not same.

19. (i) 187, 201 (ii) 123, 700 (ii) 71 (iv) 150

20.  $2 \times 170 + 2 \times 45$  or  $2(170 + 45)$

Bill amount = ₹ 430

$3 \times 170 + 3 \times 45$  or  $3(170 + 45)$

New bill amount = ₹ 645

### Assertion & Reason

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

### Case Study Based Questions

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

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

