

SCHOOL BUS

SCHOOL BUS

+ - x % =

+ = x
- %

Maths

1

XPRESS

A book of Mathematics

1.

General

Do it Yourself.



2.

Numbers

Exercise 2.1

- | | | | | |
|-----------|---------|----------|--------|-----------|
| 1. (a) VI | (b) IV | (c) XIV | (d) X | (e) XVIII |
| (f) XVII | (g) XII | (h) XIII | (i) I | (j) VII |
| 2. (a) 4 | (b) 5 | (c) 10 | (d) 16 | (e) 20 |
| (f) 6 | (g) 13 | (h) 11 | (i) 15 | (j) 18 |

Exercise 2.2

- | | | | |
|----------|-------|-------|-------|
| 1. (a) 4 | (b) 6 | (c) 2 | (d) 8 |
| (e) 3 | (f) 1 | (g) 7 | (h) 5 |
| 2. (a) 4 | (b) 8 | (c) 2 | (d) 6 |
| (e) 7 | (f) 5 | (g) 9 | (h) 3 |
| 3. (a) 5 | (b) 3 | (c) 6 | (d) 7 |
| (e) 4 | (f) 2 | | |

Exercise 2.3

- | | | | |
|-------------------------------------|----------------------------------|-------------|-------------|
| 1. (a) < | (b) > | (c) = | (d) > |
| (e) = | (f) < | (g) > | (h) < |
| 2. (a) $5 < 9$ | (b) $4 = 4$ | (c) $8 > 3$ | (d) $7 > 2$ |
| (e) $3 < 6$ | (f) $9 = 9$ | | |
| 3. (a) Smallest = 47, Biggest = 89, | (b) Smallest = 18, Biggest = 81, | | |
| (c) Smallest = 36, Biggest = 63, | (d) Smallest = 49, Biggest = 84, | | |
| (e) Smallest = 11, Biggest = 78 | (f) Smallest = 74, Biggest = 99 | | |
| 4. Do it yourself | | | |

Exercise 2.4

- | | |
|---------------------------------|------------------------------|
| 1. (b) $2 < 20 < 26 < 29 < 30$ | (c) $9 < 90 < 95 < 96 < 98$ |
| (d) $7 < 30 < 38 < 72 < 84$ | (e) $3 < 53 < 64 < 76 < 87$ |
| (f) $20 < 30 < 73 < 89 < 97$ | |
| 2. (b) $76 > 36 > 30 > 29 > 18$ | (c) $98 > 77 > 68 > 34 > 3$ |
| (d) $79 > 68 > 55 > 54 > 39$ | (e) $96 > 84 > 83 > 70 > 64$ |
| (f) $90 > 80 > 49 > 19 > 7$ | |

Exercise 2.5

- (b) 2, 5 (c) 1, 2 (d) 2, 0 (e) 4, 6
(f) 3, 8
- (b) 84, Eighty four (c) 70, Seventy (d) 99, Ninety Nine
(e) 69, Sixty Nine (f) 100, One hundred ;
- (b) 4, 6 ; 40 + 6 (c) 6, 4 ; 60 + 4 (d) 7, 0 ; 70 + 0
(e) 6, 9 ; 60 + 9
- (c) 3 tens thirty (d) 4 tens fourty (e) 5 tens fifty
(f) 6 tens Sixty (g) 7 tens Seventy (h) 8 tens Eighty
(i) 9 tens ninety
- (b) 31 (c) 40 (d) 52 (e) 65
(f) 13 (g) 97 (h) 74 (i) 89
(j) 48
- (b) 90 + 1 (c) 60 + 2 (d) 90 + 5 (e) 40 + 7
(f) 80 + 0 (g) 80 + 4 (h) 50 + 5 (i) 90 + 6
(j) 70 + 6
- (a) (iii), (b) (v), (c) (i), (d) (ii),
(e) (vi), (f) (iv)

Exercise 2.6

- Do it yourself
- (a) 3, 5 (b) 2, 4 (c) 9, 6 (d) 4, 3
(e) 5, 1 (f) 7, 2

Exercise 2.7

- (b) 13, thirteen (c) 40, forty (d) 22, twenty two
(e) 60, Sixty (f) 67, Sixty Seven (g) 78, Seventy Eight
(h) 99, Ninety Nine
- Do it yourself.
- Do it yourself.



3.

Addition

Exercise 3.1

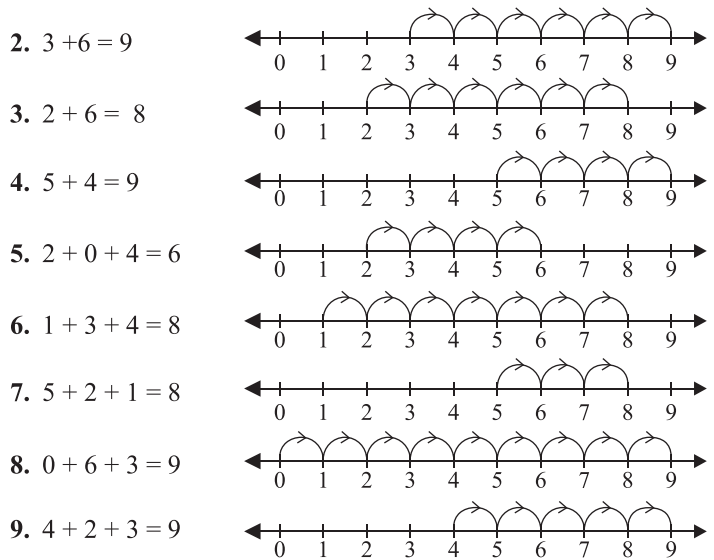
- $3 + 2 = 5$
- $3 + 1 = 4$
- $5 + 2 = 7$
- $7 + 2 = 9$

Exercise 3.2

- $\frac{12}{16}$ 13, 14, 15, 16, 17, 18, 19
- $\frac{11}{10}$ 12, 13, 14
- $\frac{16}{10}$ 17, 18
- $\frac{10}{10}$ 11, 12, 13, 14, 15, 16, 17, 18, 19

6. 6, 7; $5 + 2 = 7$
 7. 7, 8, 9; $= 3 + 6 = 9$

Exercise 3.3



Exercise 3.4

- | | | | |
|-------|------|------|------|
| 2. 1 | 3. 5 | 4. 7 | 5. 3 |
| 6. 15 | | | |

Exercise 3.5

- | | | | |
|----------|--------|-------|-------|
| 1. (b) 6 | (c) 6 | (d) 9 | (e) 6 |
| (f) 9 | (g) 10 | (h) 8 | |
| 2. (b) 7 | (c) 3 | (d) 5 | (e) 9 |
| (f) 6 | (g) 6 | (h) 7 | (i) 4 |
| (j) 8 | (k) 8 | (l) 7 | |

Exercise 3.6

- | | | | |
|------|-------|-------|------|
| 1. 7 | 2. 8 | 3. 9 | 4. 6 |
| 5. 9 | 6. 8 | 7. 5 | 8. 6 |
| 9. 7 | 10. 5 | 11. 9 | |

Exercise 3.7

- | | | |
|----------|-------|-------|
| 1. (a) 8 | (b) 9 | (c) 9 |
| 2. (a) 8 | (b) 7 | (c) 7 |

Word Problems

1. 5 cherries 2. 6 boats 3. 7 coins 4. 9 boys
5. 18 eggs 6. 9 ducks 7. 17 fish



4. Subtraction

Exercise 4.1

1. (a) $6 - 2 = 4$ (b) $4 - 1 = 3$ (c) $5 - 3 = 2$
2. (a) $5 - 2 = 3$ (b) $5 - 4 = 1$ (c) $8 - 3 = 5$
3. (a) $7 - 4 = 3$ (b) $9 - 1 = 8$

Exercise 4.2

1. (b) 1 (c) 4 (d) 7 (e) 3
(f) 5
2. (b) 5 (c) 13 (d) 8 (e) 10
(f) 7

Exercise 4.3

1. $\boxed{17}$ 16, 15, 14 2. $\boxed{12}$ 11, 10, 9, 8, 7 3. $\boxed{14}$ 13, 12
4. $\boxed{12}$ 11, 10, 9, 8, 7, 6

Exercise 4.4

1. 6 2. 11 3. 17 4. 14
5. 9 6. 20

Exercise 4.5

1. 0 2. 0 3. 0 4. 0
5. 0 6. 0

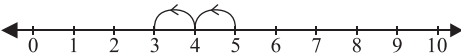
Exercise 4.6


1. (a) 6 (b) 3 (c) 4 (d) 3
(e) 3 (f) 1
2. (b) 6 (c) 9 (d) 2
3. (a) 9 (b) 9 (c) 15 (d) 8
4. (a) 13 (b) 10 (c) 14 (d) 14
(e) 11 (f) 11 (g) 12 (h) 14
5. 5 6. 4 7. 2 8. 11
9. 7
10. (a) 0 (b) $5 - 0 = 5$ (c) $7 - 0 = 7$ (d) $9 - 9 = 0$
(e) $6 - 6 = 0$


Exercise 4.7

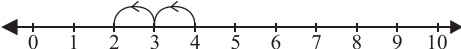
Do it yourself.

Exercise 4.8

1. $5 - 2 = 3$ 

2. $7 - 4 = 3$ 

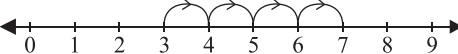
3. $6 - 3 = 3$ 

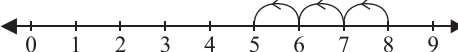
4. $4 - 2 = 2$ 

5. Subtraction

Exercise 5.1

1. (a) 68 (b) 47 (c) 89 (d) 89
 (e) 39 (f) 38 (g) 36 (h) 69
 (i) 29 (j) 57
2. (a) 7 (b) 8 (c) 5 (d) 5
 (e) 3 (f) 0
3. (a) 2 (b) 9 (c) 6 (d) 6
 (e) 9

4. (a) $3 + 4 = 7$ 

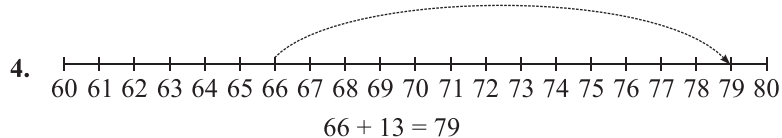
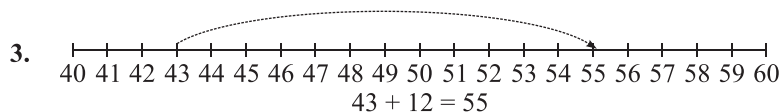
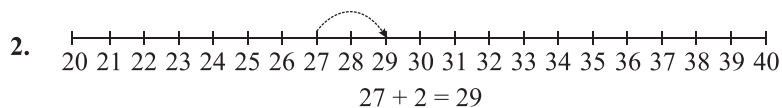
(b) $8 - 3 = 5$ 

5. 8 6. 4
7. (a) 22 (b) 37 (c) 21 (d) 88

Exercise 5.2

1. (a) \square , 16 (b) \square , 5 (c) \square , 13
2. (a) \square , 12 (b) \square , 15 (c) \square , 5 (d) \square , 10
3. (a) 26 (b) 92 (c) 87 (d) 31
 (e) 86 (f) 36 (g) 16 (h) 78
 (i) 48 (j) 85
4. (a) 16 (b) 11 (c) 13

Exercise 5.3



Exercise 5.4

- | | | | |
|-------|-------|-------|-------|
| 3. 56 | 4. 77 | 5. 75 | 6. 99 |
| 7. 87 | 8. 99 | | |

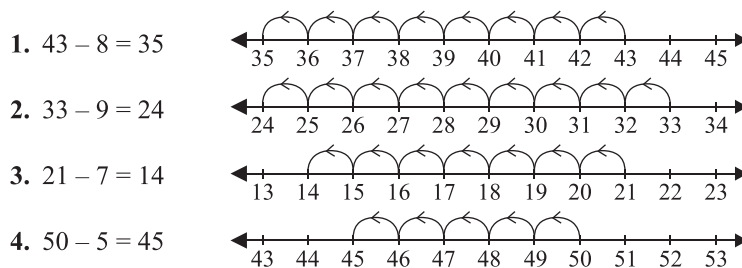
Exercise 5.5

- | | | | |
|-------|--------|--------|--------|
| 1. 53 | 2. 61 | 3. 83 | 4. 91 |
| 5. 72 | 6. 47 | 7. 60 | 8. 89 |
| 9. 83 | 10. 80 | 11. 91 | 12. 77 |

Exercise 5.6

- | | | | |
|-----------|--------|--------|--------|
| 1. 92 | 2. 52 | 3. 84 | 4. 72 |
| 5. 44 | 6. 91 | 7. 64 | 8. 21 |
| 9. (a) 43 | 10. 34 | 11. 11 | 12. 35 |
| 13. 22 | 14. 20 | 15. 14 | 16. 26 |

Exercise 5.7



Exercise 5.8

- | | | | |
|-------|--------|--------|--------|
| 1. 36 | 2. 26 | 3. 16 | 4. 59 |
| 5. 36 | 6. 26 | 7. 16 | 8. 26 |
| 9. 29 | 10. 15 | 11. 39 | 12. 39 |

Exercise 5.9

- | | | | | |
|-------|-------|-------|-------|-------|
| 2. 20 | 3. 20 | 4. 30 | 5. 10 | 6. 30 |
|-------|-------|-------|-------|-------|

Exercise 5.10

- | | | | |
|-----------|--------|--------|--------|
| 1. (a) 30 | (b) 11 | (c) 42 | (d) 11 |
| 2. (a) 42 | (b) 42 | (c) 22 | (d) 34 |
| (e) 10 | (f) 31 | (g) 1 | (h) 26 |
| (i) 16 | (j) 44 | (k) 22 | (l) 25 |
| (m) 36 | (n) 41 | | |

Word Problems

- | | | | |
|-------|-------|-------|-------|
| 1. 25 | 2. 13 | 3. 33 | 4. 22 |
|-------|-------|-------|-------|



6. Multiplication

Exercise 6.1

- | | | | |
|--------------------------|-----------------------|-----------------------|-----------------------|
| 1. (b) $5 \times 2 = 10$ | (c) $4 \times 3 = 12$ | (d) $3 \times 4 = 12$ | (e) $3 \times 5 = 15$ |
| 2. (a) 3 | (b) 4 | (c) 3 | (d) 7 |
| (e) 6 | (f) $5 + 5$ | (g) $4+4+4+4+4+4+4+4$ | |
| (h) $0+0+0+0+0+0+0+0$ | (i) $9+9$ | | |
| (j) $6+6+6+6+6+6+6$ | | | |
| 3. (b) $5 \times 2 = 10$ | (c) $5 \times 3 = 15$ | (d) $5 \times 4 = 20$ | (e) $5 \times 5 = 25$ |
| (f) $5 \times 4 = 20$ | (g) $5 \times 3 = 15$ | | |
| 4. (b) $4 \times 7 = 28$ | (c) $4 \times 2 = 8$ | (d) $5 \times 4 = 20$ | (e) $2 \times 3 = 6$ |
| (f) $6 \times 9 = 54$ | | | |

Exercise 6.2

Do it yourself

Exercise 6.3

- | | | | |
|---------------|------------|----------|----------|
| 1. (b) 10, 10 | (c) 10, 10 | (d) 2, 2 | (e) 9, 9 |
| (f) 20, 20 | | | |
| 2. (a) 5 | (b) 12 | (c) 40 | (d) 32 |
| (e) 12 | (f) 90 | | |

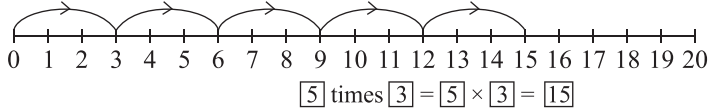
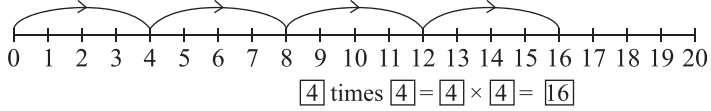
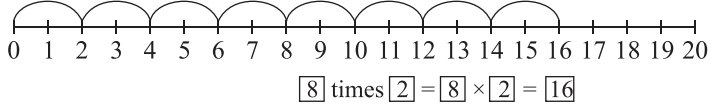
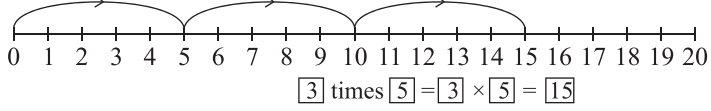
Exercise 6.4

- | | | | |
|-------|-------|-------|-------|
| 1. 20 | 2. 36 | 3. 8 | 4. 18 |
| 5. 10 | 6. 25 | 7. 14 | 8. 20 |

Exercise 6.5

1. (a) 96 (b) 102 (c) 55 (d) 75
(e) 68 (f) 10
2. (a) 93 (b) 78 (c) 110 (d) 42
(e) 72 (f) 60
3. (a) 6×3 (b) 5×2 (c) 3×2 (d) 4×4
4. (b) $7 \times 4 = 28$ (c) $4 \times 8 = 32$ (d) $8 \times 2 = 16$ (e) $5 \times 3 = 15$
5. (b) $2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 = 14$ (c) $1 + 1 + 1 + 1 + 1 = 5$
(d) $3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 = 30$
(e) $10 + 10 + 10 + 10 = 40$
6. (a) 2 (b) 1 (c) 1 (d) 5
(e) 1 (f) 1 (g) 8 (h) 1 (i) 1
7. (b) 18, 18 (c) 6, 6 (d) 36, 36 (e) 28, 28 (f) 40, 40
(g) 9, 9 (h) 24, 24 (i) 32, 32

Exercise 6.6

1. (a) 
 5 times $3 = 5 \times 3 = 15$
- (b) 
 4 times $4 = 4 \times 4 = 16$
- (c) 
 8 times $2 = 8 \times 2 = 16$
- (d) 
 3 times $5 = 3 \times 5 = 15$
2. (a) 35 (b) 50 (c) 48 (d) 18
(e) 10 (f) 18
3. (a) 54 (b) 87 (c) 36 (d) 51
(e) 80 (f) 48 (g) 75 (h) 78
(i) 94 (j) 96 (k) 70 (l) 72

Word Problems

1. 96 photos
2. 80 Seats
3. 84 points
4. 90 balloons
5. 96 students



7.

Division

Exercise 7.1

1. 10, 5
2. 12, 4
3. 8, 2
4. 15, 3

Exercise 7.2

2. 2
3. 2
4. 3
5. 3
6. 3
7. 4
8. 2
9. 4
10. 2
11. 3
12. 2

Exercise 7.3

2. 30, 6, 5
3. 24, 8, 3
4. 45, 5, 9
5. 12, 4, 3
6. 12, 2, 6
7. 56, 7, 8
8. 18, 9, 2

Exercise 7.4

1. (a) 1 (b) 7 (c) 12 (d) 0
(e) 0 (f) 1 (g) 1 (h) 1
(i) 73
2. (a) 17 (b) 0 (c) 46 (d) 65
(e) 0 (f) 1 (g) 0 (h) 76
(i) 1
3. (c) $6 \times 5 = 30$ (d) $40 \div 5 = 8$ (e) $3 \times 5 = 15$
(f) $42 \div 6 = 7$ (g) $5 \times 6 = 30$ (h) $40 \div 8 = 5$
(i) $5 \times 3 = 15$ (j) $42 \div 7 = 6$

Exercise 7.5

2. 5
3. 3
4. 3
5. 5
6. 2
7. 3
8. 4
9. 5
10. 6
11. 5
12. 8

Exercise 7.6

1. Q = 4, R = 6
2. Q = 5, R = 3
3. Q = 7, R = 3
4. Q = 8, R = 1
5. Q = 7, R = 4
6. Q = 7, R = 4
7. Q = 6, R = 1
8. Q = 4, R = 1
9. Q = 9, R = 1
10. Q = 3, R = 2
11. Q = 3, R = 1
12. Q = 4, R = 3

Word Problems

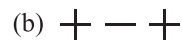
1. 7 flowers 2. 4 toffees 3. 10 laddoos 4. 9 children
5. 8 bottles

8.

Patterns

Exercise 8.1

1. (a – v), (b – iii), (c – iv), (d – ii), (e – vi), (f – i)



3. Do it yourself

4. Do it yourself

5. Do it yourself

6. (a) 11, 14, 17, 20

(b) 17, 19, 21, 23

(c) 26, 23, 20, 17

(d) 15, 13, 11, 9

(e) 55, 60, 65, 70

7. (a) 10, 12, 14, 16

(b) 15, 18, 21, 24

(c) 27, 31, 35, 39

(d) 25, 30, 35, 40

(e) 50, 60, 70, 80

8. (a) 10, 8, 6, 4

(b) 26, 23, 20, 17

(c) 13, 9, 5, 1

(d) 35, 30, 25, 20

(e) 60, 50, 40, 30

Exercise 8.2

1. 15, 18, 21, 24, 30

2. 16, 24, 28, 36, 40

3. 20, 25, 35, 40, 45

4. 24, 30, 36, 48, 54, 60

5. 21, 42, 49, 56, 70

Exercise 8.3

Do it yourself



9.

Shapes

Exercise 9.1

1. Do it yourself

2. Do it yourself

3. Do it yourself

Exercise 9.2

Do it yourself

Exercise 9.3

1. a, d, e 2. a, and c straight line, b, d curved line

Exercise 9.4

1. b. 2. b, d

Exercise 9.5

1. (a) 3 faces (b) 1 face (c) 6 faces (d) 6 faces
 (e) 2 faces
2. Do it yourself



10. Measurement

Exercise 10.1

1. Do it yourself
2. Do it yourself
3. Do it yourself
4. Do it yourself

Exercise 10.2

Do it yourself

Exercise 10.3

1. Do it yourself
2. Do it yourself
3. (a) 3 (b) 2 (c) heavier
4. (a) 6 (b) 1 (c) 1 (d) 5

Exercise 10.4

Do it yourself

Exercise 10.5

1. 2 2. 4 3. 8 4. 3

Exercise 10.6

1. Milk and Water 2. Less

Exercise 10.7

1. (b) 95 m 74 cm (c) 61 m 80 cm (d) 91 m 50 cm
 (e) 85 m 93 cm (f) 52 m 74 cm
2. (b) 36 m 14 cm (c) 16 m 16 cm (d) 16 m 17 cm
 (e) 15 m 45 cm (f) 15 m 16 cm

Exercise 10.8

1. 2kg + 1 kg 2. 5kg + 2kg + 1 kg 3. 20kg + 10 kg
4. 10 kg + 1 kg 5. 10 kg + 5kg + 2 kg 6. 10 kg + 2 kg + 1 kg
7. 5kg + 2 kg 8. 10 kg + 5 kg + 2kg + 1 kg
9. 20kg + 5kg + 1kg 10. 20 kg + 10kg + 2kg + 1kg

Exercise 10.9

1. l 2. ml 3. l 4. ml 5. l 6. ml

11.

Time

Exercise 11.1

1. Do it yourself 2. Do it yourself 3. Do it yourself
4. (b) 8:00, 8 O'clock (c) 1:00 1 O'clock
 (d) 3:00, 3 O'clock (e) 10:00 10 O'clock
5. (a) More time (b) More time
 (c) Less time (d) More time
 (e) Less time (f) More time

Learning through puzzle :

Thursday

Exercise 11.2

1. (a) Thursday, Saturday (b) Tuesday, Wednesday
 (c) Sunday, Monday (d) Friday, Sunday
2. Do it yourself
3. (a) Monday, Wednesday (b) Sunday
 (c) Do it yourself (d) Saturday
 (e) Fifth (f) Ninth
 (g) twelfth (h) Seventh

Exercise 11.3

1. 14 days 2. Friday 3. (b) 30 4. Seven 5. 60

12.

Money

Exercise 12.1

1. (a - D), (b - B), (c - E), (d - A), (e - C)
2. (a) ₹ 15 (b) 50 p (c) ₹ 100 (d) 20 p (e) ₹ 20

Exercise 12.2

1. (a) ₹ 10 (b) ₹ 25 (c) ₹ 50
2. (a) ₹ 9 (b) ₹ 22 (c) ₹ 32
3. (a) ₹ 35 (b) ₹ 11 (c) ₹ 10 (d) ₹ 19
(e) ₹ 26 (f) ₹ 28
4. (a) ₹ 7 (b) ₹ 12 (c) ₹ 25 (d) ₹ 20

Exercise 12.3

1. (b) ₹ 70 (c) ₹ 40.90 (d) ₹ 60.60 (e) ₹ 17.12
(f) ₹ 32.45
2. (b) Ninety Eight rupees and thirty-two paise
(c) Thirty Seven rupees and three paise
(d) Forty four rupees and thirty two paise
(e) Thirty Six rupees and four paise
(f) Forty Nine rupees and Eight paise
3. (a - F), (b - D), (c - E), (d - G),
(e - B), (f - H), (g - A), (h - C)

Exercise 12.4

1. (b) ₹ 82.77 (c) ₹ 84.60 (d) 87.87 (e) ₹ 74.29
(f) ₹ 49.93 (g) ₹ 45.30 (h) ₹ 78.87
2. (a) ₹ 17.10 (b) ₹ 54.60 (c) ₹ 36.35 (d) ₹ 34.60

Exercise 12.5

1. (b) ₹ 34.09 (c) ₹ 15.68 (d) ₹ 33.09 (e) ₹ 62.19
(f) ₹ 39.44 (g) ₹ 62.25 (h) ₹ 41.29
2. (a) $5 + 2 = 7$ (b) $5 + 5 + 1 = 11$ (c) $25 + 50 = 75$
(d) $50 + 10 = 60$



13.

Data Handling

Exercise 13.1

1. (a) (i) 5 (ii) 1 (iii) 7 (iv) 2 (v) 3 (vi) 5
(b) (i) 9 (ii) 1 (iii) 10 (iv) 3

2. (a) (i) 4 (ii) 6 (iii) 1 (iv) 7 (v) 5 (vi) 3
 (b) Do it yourself (c) Do it yourself

Exercise 13.2

1. 7 2. 2 3. 4 4. Watermelon
 5. Apple 6. 16

Exercise 13.3

1. (a) 3 (b) 4 (c) 3 (d) 1
 2. Do it yourself
 3. (a) 13 (b) 1 (c) 1 (d) 2
 (e) 10 (f) 8



Model Test Paper - I

1. (a) VI (b) IV (c) XIV (d) X
 (e) XVIII (f) XVII (g) XII (h) XIII
 (i) I (j) VII
 2. (a) 7 (b) 8 (c) 9 (d) 6
 (e) 9 (f) 8
 3. 5 4. 4 5. 37 6. (a) 80
 (b) 90 (c) 96



Model Test Paper - II

1. (a) 1 (b) 7 (c) 12 (d) 0
 (e) 0 (f) 1 (g) 1 (h) 1
 (i) 73 (j) 0 (k) 0 (l) 48
 2. (a) 15, 18, 21, 24, 30 (b) 16, 24, 28, 36, 40
 3. (a) 3 (b) 1 (c) 6 (d) 6 (e) 2
 4. 73m 71cm 5. Monday, Wednesday (b) Sunday
 (c) 24th, 22nd (d) Saturday (e) Fifth (f) 9th
 (g) Twelfth (h) Seventh
 6. (a) litre (b) ml (c) litre (d) ml
 (e) litre (f) ml

