

Key to

An Easy Approach to

MATHEMATICS



Based on New Syllabus

A. MARIA SUSAI

SENIOR TEACHER OF MATHEMATICS

PETIT SEMINAIRE HIGHER SECONDARY SCHOOL

PONDICHERRY

ASSISTED BY

(Mrs) SHIJI SAJI

M. Sc. (MATHEMATICS), B.Ed.



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FAX : 011-22091791; EMAIL : progress.india@vsnl.com

UNIT I

1. (a) 0 (b) 9 (c) 10 (d) 99 (e) 100
(f) 999 (g) 1000
2. (a) 99 (b) 707 (c) 999 (d) 67 (e) 432
3. (a) Five hundred and five (b) Six hundred and ninety three
(c) Seven hundred (d) Nine hundred and eighty
(e) Four hundred and thirty one
4. (a) 6, 4, 7 (b) 8, 2, 3 (c) 7, 9, 6 (d) 4, 4, 4 (e) 9, 0, 9
5. (a) 576 (b) 902 (c) 800 (d) 333 (e) 198
6. (a) 44 (b) 74 (c) 35
(d) 82 (e) 90 (f) 40
7. (a) 28, 30, 32, 34, 36 (b) 34, 39, 44, 49, 54
(c) 140, 150, 160, 170, 180 (d) 445, 450, 455, 460, 465
(e) 367, 377, 387, 397, 407
8. 5, 7, 25 2, 5, 4 5, 4, 2
9. (a) 64, 97, 305, 640, 700 (b) 587, 787, 798, 879, 978
(c) 55, 500, 505, 550, 555
10. (a) 954, 640, 361, 98, 79 (b) 543, 453, 435, 354, 345
(c) 980, 908, 890, 809, 89
11. 100, Smallest 3 digit number.
12. (a) 310, 301, 103, 130 (b) 731, 713, 371, 317, 137, 173.
13. (a) 810 (b) 801 (c) 717 (d) 855 (e) 1012
14. (a) 303 (b) 477 (c) 337 (d) 122 (e) 503
15. (a) 532 (b) 295 (c) 511 (d) 430 (e) 333
16. (a) 8, 24, 0 (b) 9, 63, 0 (c) 8, 64, 0
(d) 10, 90, 0 (e) 9, 54, 0
20. (a) metres, litres (b) kilogram (c) 366

UNIT II

3

1. (a) 7900 (b) 6006 (c) 8020 (d) 5402
(e) 2202 (f) 9999 (g) 1006 (h) 10000

2. (a) Three thousand and seventy
 (b) Four thousand five hundred and twenty
 (c) Six thousand and ten
 (d) Nine thousand and one
 (e) Eight thousand and eighty
 (f) Nine thousand nine hundred and ninety nine
 (g) Ten thousand
 (h) Seven thousand seven hundred and seven.
3. 5002, 5003, 5004, 5005, 5006
 2317, 2318, 2319, 2320, 2321
 6759, 6760, 6761, 6762, 6763, 6764
 7779, 7780, 7781, 7782, 7783
 1112, 1113, 1114, 1115, 1116, 1117
4. (a) 7, 2, 4, 6 (b) 5, 0, 7, 4 (c) 8, 2, 0, 6 (d) 2, 4, 7, 2
5. (a) 5637 (b) 6724 (c) 9001 (d) 4600 (e) 8888
6. (a) 0 (b) 9 (c) 10 (d) 99 (e) 100
 (f) 999 (g) 1000 (h) 9999 (i) 10000
7. (a) 10 (b) 10 (c) 100 (d) 10
8. (a) 1000, 1001, 1002, 1003 (b) 9996, 9997, 9998, 9999
9. (i) (a) 5348 (b) 7998 (c) 6784 (d) 9428
 (ii) (a) 6325 (b) 5740 (c) 2941 (d) 8825

4

1. (a) 3148, 3149, 3150, 3151 (b) 5237, 5247, 5257, 5267
 (c) 5931, 6031, 6131, 6231 (d) 4444, 5555, 6666, 7777
2. (a) 3722, 3724, 3726, 3728, 3730, 3732
 (b) 9328, 9330, 9332, 9334, 9336, 9338
 (c) 5002, 5004, 5006, 5008, 5010, 5012
3. (a) 1350, 1355, 1360, 1365, 1370, 1375
 (b) 3295, 3300, 3305, 3310, 3315, 3320
 (c) 8605, 8610, 8615, 8620, 8625, 8630
4. (a) 6352, 6362, 6372, 6382, 6392, 6402
 (b) 5820, 5830, 5840, 5850, 5860, 5870

- (c) 3801, 3811, 3821, 3831, 3841, 3851
 (d) 8125, 8135, 8145, 8155, 8165, 8175
5. (a) 4344, 4444, 4544, 4644, 4744, 4844
 (b) 3105, 3205, 3305, 3405, 3505, 3605
 (c) 8556, 8656, 8756, 8856, 8956, 9056
6. (a) 2451, 3451, 4451, 5451, 6451, 7451
 (b) 3222, 4222, 5222, 6222, 7222, 8222

6

1. (a) No (b) No (c) Yes (d) Yes (e) No (f) Yes
 2. (a) 3 (b) 8 (c) 6 (d) 4 (e) 5 (f) 9
 3. (a) 700 (b) 3000 (c) 5000 (d) 70 (e) 3 (f) 0
 4. (a) 8, 9, 6, 0 (b) 6, 2, 7, 5 (c) 6, 0, 0, 4
 (d) 4, 0, 4, 0 (e) 7, 9, 2, 1
 5. (a) 7905 (b) 653 (c) 8000 (d) 4004
 6. (a) 855 (b) 755

7

1. (i) < (ii) > (iii) = (iv) < (v) =
 (vi) < (vii) > (viii) > (ix) <
2. (a) 7682 (b) 5631 (c) 4514 (d) 2200 (e) 9301
 3. (a) 7055 (b) 4465 (c) 2006 (d) 5034
 4. (a) 5105, 5150, 5501, 5510, 5650
 (b) 5005, 5050, 5055, 5505, 5550
 (c) 1982, 2189, 2198, 2891, 9812
 (d) 6467, 6476, 6647, 6674, 6746
 5. (a) 4231, 3241, 2431, 2143, 1243
 (b) 4260, 3354, 3245, 2998, 1376
 (c) 9768, 6697, 6689, 6078, 5280
 (d) 9999, 9990, 9909, 9009, 9000
 6. (a) 400 (b) 8001 (c) 1000 (d) 9999 (e) 4630 (f) 3871
 (g) 2790 (h) 3100 (i) 5778
 7. (a) 999 (b) 4059 (c) 5300 (d) 3299 (e) 6000
 (f) 5059 (g) 4999 (h) 9999 (i) 6999

8. (a) yes
 (b) We find the successor of a number by adding 1 to that number.
 (c) We find the predecessor of a number by subtracting 1 from the number.
 (d) The successor of 99 is 100. It is the smallest 3 digit number.
9. (a) True (b) False (c) False (d) True
10. (a) 7100 (b) 7654 (c) 3300 (d) 5321

MULTIPLE CHOICE QUESTIONS-I

- | | | | |
|---------|---------|---------|---------|
| 1. (b) | 2. (c) | 3. (b) | 4. (a) |
| 5. (b) | 6. (c) | 7. (c) | 8. (d) |
| 9. (c) | 10. (c) | 11. (d) | 12. (b) |
| 13. (a) | 14. (a) | 15. (b) | 16. (c) |
| 17. (d) | 18. (c) | 19. (a) | 20. (b) |

UNIT III

INTRODUCTION :

1. (a) IX (b) XXI (c) XLIX (d) XVI (e) IV (f) XXXV
2. (a) 4 (b) 16 (c) 50 (d) 45 (e) 49 (f) 40
 (g) 19 (h) 27 (i) 30
3. (a) III, V, XI, XVI (b) VII, X, XX, XXII, XL, XLI
4. (a) XXXIV (b) XLV (c) XXIV (d) XIX (e) IX

1

1. (a) 89 (b) 93 (c) 118 (d) 98 (e) 99
 (f) 59 (g) 97 (h) 77 (i) 59 (j) 68
 (k) 97 (l) 99 (m) 88 (n) 89 (o) 87
2. (a) 65 (b) 83 (c) 63 (d) 83 (e) 879
 (f) 879 (g) 667 (h) 396 (i) 764 (j) 843
 (k) 741 (l) 862

2A

1. (a) 78 (b) 365 (c) 87 (d) 593 (e) 306
 (h) 399 (i) 337 (j) 6305 (k) 9145
2. (a) = (b) ≠ (c) = (d) = (e) ≠

3. (a) $50 \quad 18 + 32 = 50$
 (b) $100 \quad 27 + 73 = 100$
 (c) $1641 \quad 654 + 987 = 1641$
4. (a) $(62 + 96) + 32 = 158 + 32 = 190$
 (b) $(125 + 375) + 250 = 500 + 250 = 750$
 (c) $(92 + 65) + 47 = 157 + 47 = 204$
 (d) $(732 + 408) + 393 = 1140 + 393 = 1533$
 (e) $(36 + 24) + 40 = 60 + 40 = 100$
 (f) $(185 + 346) + 259 = 531 + 259 = 790$

3

1. (a) 3689 (b) 3899 (c) 9857 (d) 7699 (e) 8359
 (f) 5684 (g) 8875 (h) 7834 (i) 8999 (j) 5599
 (k) 8888 (l) 7549

4

1. (a) 6381 (b) 4024 (c) 7302 (d) 8020 (e) 8120
 (f) 8511 (g) 9230 (h) 8422 (i) 8353 (j) 8923
 (k) 7536 (l) 6005

5

1. 9899 2. 8969 3. 7460 votes 4. 3977 bags
 5. 6678 trees 6. 7595 7. 9358 books 8. 10049 kg
 9. 889 km 10. 7153 rupees

MULTIPLE CHOICE QUESTIONS-II

1. (c) 2. (b) 3. (a) 4. (c)
 5. (b) 6. (d) 7. (b) 8. (d)
 9. (c) 10. (a)

UNIT - 5

1

1. (a) 744 (b) 364 (c) 421 (d) 122
 (e) 326 (f) 123 (g) 357 (h) 247
 (i) 316 (j) 663 (k) 426 (l) 647
 (m) 455 (n) 259 (o) 218 (p) 426

5

1. 3212 2. 1141 3. 1450 4. 215 5. 102
 6. 1265 7. 3868 8. 255 rupees 9. 438 10. 43

6

1. 1 2. 2364 3. 3749 4. 9000 5. 1180
 6. 4285 7. 6480 8. 2311 9. 48 10. 39
 11. (ii) $6302 - 451 = 5851$ (iii) $3100 - 78 = 3022$
 (iv) $3434 - 675 = 2759$ (v) $5000 - 1234 = 3766$
 (vi) $9000 - 888 = 8112$

7

1. (a) 10 (b) 9 (c) 8 (d) 15 (e) 8
 (f) 10 (g) 10 (h) 20 (i) 10 (j) 0
 2. (a) 35 (b) 10 (c) 66 (d) 0 (e) 25
 (f) 60 (g) 90 (h) 90 (i) 55 (j) 125
 3. (a) 7244 (b) 5352 (c) 5000 (d) 6000
 4. 1. 2035 2. 3485 3. 4000 4. 5792
 5. 340 6. Rs. 250

MULTIPLE CHOICE QUESTIONS-III

1. (b) 2. (b) 3. (c) 4. (d)
 5. (c) 6. (b) 7. (b) 8. (d)
 9. (c) 10. (b)

UNIT VI**1**

1. (a) 4 (b) 2 (c) 3 (d) 1
 2. (a) 72 (b) 48 (c) 36 (d) 56
 (e) 60 (f) 45
 3. (a) 6 (b) 3 (c) 6 (d) 6
 (e) 6 (f) 9
 4. (a) + (b) \times (c) + (d) \times
 (e) + (f) \times

5. (a) 96 (b) 88 (c) 88 (d) 88 (e) 0
 (f) 168 (g) 180 (h) 819 (i) 360
6. 1. 63 days 2. 450 pages 3. 364 seats 4. 84 eggs
 5. 1100 mangoes

2

1. (1) 218 (2) 217 (3) 0 (4) 41 (5) 0
 (6) 0 (7) 9 (8) 0 (9) 520 (10) 90
 (11) 240 (12) 42 (13) 48
2. (a) 15 (b) 26 (c) 45, 52 (d) 98, 26
 (e) 6 (f) 14 (g) 34 (h) 30
3. (b) $7 \times 6 = 6 \times 7 = 42$ (c) $17 \times 15 = 15 \times 17 = 255$
 (d) $9 \times 6 = 6 \times 9 = 54$ (e) $35 \times 7 = 7 \times 35 = 245$
 (f) $25 \times 8 = 8 \times 25 = 200$ (g) $22 \times 6 = 6 \times 22 = 132$
 (h) $18 \times 15 = 15 \times 18 = 270$
4. (a) $(6 \times 7) \times 8 = (6 \times 7) \times 8 = 336$
 (b) $(2 \times 3) \times 4 = 2 \times (3 \times 4) = 24$
 (c) $(4 \times 5) \times 6 = 4 \times (5 \times 6) = 120$
 (d) $(3 \times 5) \times 7 = 3 \times (5 \times 7) = 105$
 (e) $(7 \times 6) \times 5 = 7 \times (6 \times 5) = 210$
 (f) $(11 \times 12) \times 15 = 11 \times (12 \times 15) = 1980$
 (g) $(9 \times 8) \times 6 = 9 \times (8 \times 6) = 432$
 (h) $(10 \times 20) \times 30 = 10 \times (20 \times 30) = 6000$
 (i) $25 \times (15 \times 5) = (25 \times 15) \times 5 = 1875$
 (j) $(50 \times 20) \times 10 = 50 \times (20 \times 10) = 10000$

3

1. (a) 642 (b) 912 (c) 1680 (d) 710 (e) 6318
 (f) 852 (g) 1610 (h) 4984 (i) 2997 (j) 702
 (k) 738 (l) 1852 (m) 1652 (n) 1692 (o) 1029
 (p) 981 (q) 1071 (r) 144 (s) 749 (t) 1218
 (u) 4734 (v) 5424 (w) 3969 (x) 2070

4

1. (a) 100 (b) 230 (c) 470 (d) 9000 (e) 9370
 (f) 7630 (g) 2490 (h) 8800 (i) 7000 (j) 3600
 (k) 7500 (l) 8350 (m) 3300 (n) 10000 (o) 6500
 (p) 7000 (q) 33000 (r) 70000 (s) 8000 (t) 69000

5

1. (a) 240 (b) 300 (c) 120 (d) 210 (e) 240
 (f) 560 (g) 450 (h) 330 (i) 880 (j) 480
 2. (a) 3500 (b) 1800 (c) 4800 (d) 5600 (e) 7200
 (f) 8100 (g) 6300 (h) 5400 (i) 4400 (j) 18200
 3. (a) 12000 (b) 10000 (c) 35000 (d) 48000 (e) 36000
 (f) 27000 (g) 42000 (h) 54000 (i) 55000 (j) 24000
 4. (a) 30, 360 (c) 30, 630 (e) 30, 900
 (b) 30, 930 (d) 30, 2160 (f) 30, 1890
 5. (a) 200, 3000 (c) 200, 10200 (e) 200, 13400
 (b) 200, 5000 (d) 200, 7000 (f) 200, 8400

6

1. 612 2. 552 3. 2079 4. 924 5. 1495
 6. 2730 7. 2184 8. 7950 9. 4288 10. 2773
 11. 1632 12. 2108 13. 3528 14. 1755 15. 6110
 16. 6408 17. 4575 18. 7344 19. 8534 20. 5508
 21. 8096 22. 9399 23. 6369 24. 7095 25. 4556
 26. 5757 27. 7770 28. 7685

7

1. Rs. 52675 2. 1125 Chocolates 3. 2312 pages
 4. 2070 soap pieces 5. Rs. 5103 6. Rs. 26120
 7. 7184 metres 8. Rs. 1940 9. 810 students
 10. Rs. 52500 11. 70000 bricks 12. Rs. 8016
 13. 9600 pieces 14. Rs. 12650

8

- | | | | | |
|----------|---------|---------|--------|---------|
| 1. 1. 44 | 2. 41 | 3. 74 | 4. 32 | 5. 59 |
| 6. 49 | 7. 36 | 8. 66 | 9. 43 | 10. 76 |
| 11. 98 | 12. 104 | 13. 12 | 14. 40 | 15. 40 |
| 16. 20 | 17. 53 | 18. 49 | 19. 46 | 20. 28 |
| 21. 102 | 22. 80 | 23. 90 | 24. 0 | 25. 112 |
| 26. 0 | 27. 150 | 28. 800 | | |

MULTIPLE CHOICE QUESTIONS-IV

- | | | | |
|---------|---------|---------|---------|
| 1. (a) | 2. (d) | 3. (c) | 4. (b) |
| 5. (d) | 6. (b) | 7. (b) | 8. (b) |
| 9. (a) | 10. (c) | 11. (a) | 12. (c) |
| 13. (b) | 14. (b) | 15. (c) | 16. (b) |
| 17. (c) | 18. (b) | 19. (c) | 20. (a) |

UNIT 7**1**

- | | | | | |
|---------|------|-------|-------|--------|
| 1. 1. 4 | 4. 3 | 7. 3 | 10. 4 | 13. 7 |
| 2. 6 | 5. 9 | 8. 2 | 11. 6 | 14. 2 |
| 3. 8 | 6. 3 | 9. 7 | 12. 2 | 15. 2 |
| 2. 1. 9 | 4. 8 | 7. 9 | 10. 5 | 13. 6 |
| 2. 7 | 5. 4 | 8. 8 | 11. 8 | 14. 7 |
| 3. 7 | 6. 9 | 9. 10 | 12. 5 | 15. 10 |

3

- | | | | |
|--|-------------------------------------|------|-------|
| 1. 1. 6 | 4. 3 | 7. 6 | 10. 4 |
| 2. 4 | 5. 3 | 8. 5 | 11. 3 |
| 3. 3 | 6. 4 | 9. 4 | 12. 5 |
| 2. 35 | 28 | 21 | 14 |
| | 7 | 0 | |
| (i) 6 times | (ii) 6 sevens | | |
| (iii) $7 \times 6 = 42, 6 \times 7 = 42$ | (iv) $42 \div 7 = 6, 42 \div 6 = 7$ | | |
| (v) 6, 7 | | | |

3. 63 54 45 36 27 18
 63 54 45 36 27 18 9

(i) 8 times

(ii) 8 nines

(iii) $8 \times 9 = 72, 9 \times 8 = 72$ (iv) $72 \div 9 = 8, 72 \div 8 = 9$

4. *Multiplication facts :*

$6 \times 8 = 48$ $8 \times 6 = 48$

Division facts :

$48 \div 6 = 8$ $48 \div 8 = 6$

48 42 36 30 24 18 12

42 36 30 24 18 12 6

5. *Multiplication Facts :*

$10 \times 7 = 70$ $7 \times 10 = 70$

Division Facts :

$70 \div 7 = 10$ $70 \div 10 = 7$

60 50 40 30 20 10

50 40 30 20 10 0

4

1. (a) (i) $2 \times 4 = 8$ (ii) $4 \times 2 = 8$
 (ii) $8 \div 2 = 4$ (ii) $8 \div 4 = 2$
 (b) (i) $5 \times 2 = 10$ (ii) $2 \times 5 = 10$
 (ii) $10 \div 2 = 5$ (ii) $10 \div 5 = 2$
 (c) (i) $6 \times 5 = 30$ (ii) $5 \times 6 = 30$
 (ii) $30 \div 5 = 6$ (ii) $30 \div 6 = 5$
 (d) (i) $9 \times 7 = 63$ (ii) $7 \times 9 = 63$
 (ii) $63 \div 9 = 7$ (ii) $63 \div 7 = 9$
 (e) (i) $6 \times 7 = 42$ (ii) $7 \times 6 = 42$
 (ii) $42 \div 7 = 6$ (ii) $42 \div 6 = 7$
 (f) (i) $6 \times 4 = 24$ (ii) $4 \times 6 = 24$
 (ii) $24 \div 6 = 4$ (ii) $24 \div 4 = 6$
2. (a) (i) $4 \times 5 = 20$ (ii) $5 \times 4 = 20$
 (b) (i) $3 \times 9 = 27$ (ii) $9 \times 3 = 27$
 (c) (i) $4 \times 5 = 20$ (ii) $5 \times 4 = 20$
 (d) (i) $5 \times 9 = 45$ (ii) $9 \times 5 = 45$

(e) (i) $2 \times 8 = 16$ (ii) $8 \times 2 = 16$

(f) (i) $10 \times 8 = 80$ (ii) $8 \times 10 = 80$

(g) (i) $7 \times 8 = 56$ (ii) $8 \times 7 = 56$

(h) (i) $9 \times 8 = 72$ (ii) $8 \times 9 = 72$

3. (a) (i) $70 \div 10 = 7$ (ii) $70 \div 7 = 10$

(b) (i) $36 \div 9 = 4$ (ii) $36 \div 4 = 9$

(c) (i) $48 \div 8 = 6$ (ii) $48 \div 6 = 8$

(d) (i) $90 \div 10 = 9$ (ii) $90 \div 9 = 10$

(e) (i) $42 \div 6 = 7$ (ii) $42 \div 7 = 6$

(f) (i) $72 \div 9 = 8$ (ii) $72 \div 8 = 9$

(g) (i) $54 \div 9 = 6$ (ii) $54 \div 6 = 9$

(h) (i) $56 \div 8 = 7$ (ii) $56 \div 7 = 8$

4. 1. 7 2. 8 3. 6 4. 9 5. 9

6. 9 7. 9 8. 5 9. 5

5

1. 1. 1 2. 1 3. 1 4. 1 5. 7

6. 1 7. 5 8. 12 9. 15 10. 1

11. 1 12. 9

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

6

1. 1. 6 2. 9 3. 9 4. 4 5. 5

6. 9 7. 8 8. 7 9. 9 10. 9

11. 6 12. 6 13. 14 14. 27 15. 39

16. 18 17. 16 18. 14 19. 33 20. 13

21. 29 22. 13 23. 16 24. 15 25. 42

26. 41 27. 43

7

1. (a) 116 (b) 116 (c) 39 (d) 109 (e) 113

(f) 109 (g) 139 (h) 241 (i) 123 (j) 202

(k) 120 (l) 131 (m) 243 (n) 153 (o) 159

(p) 127

8

1. (a) 1697 (b) 1247 (c) 1116 (d) 672 (e) 1423
 (f) 1841 (g) 534 (h) 2484 (i) 871 (j) 2231
 (k) 1217 (l) 614

9

1. (a) 31 (b) 211 (c) 518 (d) 106 (e) 563
 (f) 121 (g) 84 (h) 92 (i) 54 (j) 508
 (k) 403 (l) 713 (m) 534 (n) 65 (o) 55
 (p) 48

10

- | | |
|--------------------------------|------------------------------|
| 1. 1. 2 Quotient ; 2 Remainder | 4. 3 Quotient ; 3 Remainder |
| 2. 6 Quotient ; 2 Remainder | 5. 3 Quotient ; 3 Remainder |
| 3. 3 Quotient ; 4 Remainder | 6. 3 Quotient ; 4 Remainder |
| 2. 1. 4 Quotient ; 3 Remainder | 4. 7 Quotient ; 1 Remainder |
| 2. 5 Quotient ; 1 Remainder | 5. 4 Quotient ; 1 Remainder |
| 3. 6 Quotient ; 1 Remainder | 6. 6 Quotient ; 2 Remainder |
| 3. 1. 4 Quotient ; 2 Remainder | 7. 3 Quotient ; 3 Remainder |
| 2. 4 Quotient ; 3 Remainder | 8. 2 Quotient ; 4 Remainder |
| 3. 5 Quotient ; 3 Remainder | 9. 6 Quotient ; 3 Remainder |
| 4. 3 Quotient ; 2 Remainder | 10. 5 Quotient ; 1 Remainder |
| 5. 4 Quotient ; 1 Remainder | 11. 6 Quotient ; 1 Remainder |
| 6. 3 Quotient ; 4 Remainder | 12. 3 Quotient ; 2 Remainder |

11

- | | |
|--------------------------------|------------------------------|
| 1. 1. 4 Quotient ; 3 Remainder | 9. 4 Quotient ; 1 Remainder |
| 2. 10 Quotient ; 5 Remainder | 10. 3 Quotient ; 3 Remainder |
| 3. 5 Quotient ; 4 Remainder | 11. 4 Quotient ; 2 Remainder |
| 4. 8 Quotient ; 2 Remainder | 12. 4 Quotient ; 3 Remainder |
| 5. 6 Quotient ; 3 Remainder | 13. 3 Quotient ; 2 Remainder |
| 6. 3 Quotient ; 4 Remainder | 14. 5 Quotient ; 2 Remainder |
| 7. 5 Quotient ; 1 Remainder | 15. 4 Quotient ; 2 Remainder |
| 8. 9 Quotient ; 3 Remainder | |

2. (a) 149 Quotient; 3 Remainder (e) 102 Quotient; 2 Remainder
 (b) 251 Quotient; 1 Remainder (f) 717 Quotient; 2 Remainder
 (c) 121 Quotient; 3 Remainder (g) 781 Quotient; 1 Remainder
 (d) 77 Quotient; 4 Remainder (h) 650 Quotient; 4 Remainder

12

1. (a) 11 Quotient ; 6 Remainder $7 \times 11 + 6 = 77 + 6 = 83$
 Hence the Answer is verified.
 (b) 56 Quotient ; 1 Remainder $56 \times 4 + 1 = 224 + 1 = 225$
 Hence the Answer is verified.
 (c) 46 Quotient ; 7 Remainder $46 \times 8 + 7 = 368 + 7 = 375$
 Hence the Answer is verified.
 (d) 93 Quotient ; 3 Remainder $93 \times 4 + 3 = 372 + 3 = 375$
 Hence the Answer is verified.
 (e) 73 Quotient ; 7 Remainder $73 \times 9 + 7 = 657 + 7 = 664$
 Hence the Answer is verified.
 (f) 97 Quotient ; 4 Remainder $97 \times 6 + 4 = 582 + 4 = 586$
 Hence the Answer is verified.
 (g) 102 Quotient ; 2 Remainder $102 \times 5 + 2 = 510 + 2 = 512$
 Hence the Answer is verified.
 (h) 44 Quotient ; 2 Remainder $44 \times 5 + 2 = 220 + 2 = 222$
 Hence the Answer is verified.

13

1. 1. 30 2. 70 3. 6 4. 9 5. 5
 6. 101 7. 200 8. 100 9. 450 10. 301
 11. 360 12. 96 13. 4 14. 6 15. 9
 16. 1 17. 36 18. 44 19. 80 20. 90
 21. 11 22. 15 23. 67 24. 25

14

1. 1. 6 Quotient; 3 Remainder 7. 142 Quotient; 5 Remainder
 2. 95 Quotient; 6 Remainder 8. 9 Quotient; 65 Remainder
 3. 86 Quotient; 2 Remainder 9. 25 Quotient; 76 Remainder
 4. 154 Quotient; 3 Remainder 10. 7 Quotient; 98 Remainder
 5. 4 Quotient; 75 Remainder 11. 20 Quotient; 10 Remainder
 6. 829 Quotient; 1 Remainder 12. 90 Quotient; 40 Remainder

15

- | | | | |
|--------------------|---------------|-----------------|-----------------|
| 1. 1. \times | 2. $-$ | 3. \div | 4. $+$ |
| 5. $-$ | 6. \times | 7. $-$ | 8. \times |
| 9. \div | 10. \div | 11. \times | 12. \div |
| 13. \div, \times | 14. $-, \div$ | 15. $\div, -$ | 16. $\times, +$ |
| 17. $\div, +$ | 18. $-, +$ | 19. $+, \times$ | 20. $+, +$ |
-
- | | | | |
|--------------|-------------|-------------|-----------|
| 2. 1. \div | 2. \times | 3. \div | 4. \div |
| 5. \times | 6. \times | 7. \times | 8. \div |
| 9. \times | 10. \div | | |

16

1. There are 5 girls 2. There are 9 boys 3. 8 girls can use

17

- | | |
|---|-----------------------------------|
| 1. $75 \div 5 = 15$ desks | 2. $216 \div 9 = 24$ seats |
| 3. $259 \div 7 = 37$ children | 4. $252 \div 12 = 21$ candles |
| 5. $5654 \div 11 = 514$ pieces | 6. $3000 \div 100 = 30$ centuries |
| 7. Rs. $210 \div 6 =$ Rs. 35 | 8. $264 \div 4 = 66$ girls |
| 9. $768 \div 24 = 32l$ | 10. Rs. $4690 \div 31 =$ Rs. 160 |
| 11. Rs. $10000 \div 8 =$ Rs. 1250 | |
| 12. $990 \div 8 = 123$ packages and 6 books were left over. | |
| 13. $1000 \div 15 = 66$ oil cans and 10 l of oil will remain in the mill. | |
| 14. $144 \div 12 = 12$ dozens. | |

MULTIPLE CHOICE QUESTIONS-V

- | | | | |
|---------|---------|---------|---------|
| 1. (c) | 2. (d) | 3. (d) | 4. (d) |
| 5. (a) | 6. (b) | 7. (a) | 8. (b) |
| 9. (b) | 10. (d) | 11. (c) | 12. (c) |
| 13. (c) | 14. (d) | 15. (c) | 16. (d) |
| 17. (c) | 18. (c) | 19. (d) | 20. (b) |

4. 1. , , , , 3. , , , ,

2. , , , , 4. , , , ,

5. 1. , , , , 2. , , , ,

3. , , , , 4. , , , ,

MULTIPLE CHOICE QUESTIONS-VI

- | | | | |
|---------|---------|---------|---------|
| 1. (b) | 2. (c) | 3. (d) | 4. (a) |
| 5. (c) | 6. (b) | 7. (d) | 8. (c) |
| 9. (b) | 10. (b) | 11. (c) | 12. (c) |
| 13. (a) | 14. (b) | 15. (a) | 16. (b) |
| 17. (a) | 18. (d) | | |

UNIT 9

1

- | | | | | |
|------------|----------|-----------|-----------|---------|
| 1. 1. 4 | 2. 2 | 3. 5 | 4. 10 | 5. 2 |
| 6. 50 | 7. 500 | 8. 500 | 9. 60 | 10. 120 |
| 2. 1. five | 2. two | 3. four | 4. ten | |
| 5. ten | 6. fifty | 7. thirty | 8. ten | |
| 9. twenty | 10. 50 | 11. 50000 | 12. 5, 25 | |

2

- | | | | |
|------------------|---------------|---------------|--------------|
| 1. 1. 900 P | 2. 1500 P | 3. 2500 P | 4. 725 P |
| 5. 1875 P | 6. 505 P | 7. 1620 P | 8. 7007 P |
| 9. 1000 P | 10. 7320 P | 11. 9300 P | 12. 10015 P |
| 2. 1. Rs. 16.15 | 2. Rs. 70.20 | 3. Rs. 45.65 | 4. Rs. 7.10 |
| 5. Rs. 9.05 | 6. Rs. 4.09 | | |
| 3. 1. Rs. 50 20p | 2. Rs. 3 50p | 3. Rs. 10 37p | 4. Rs. 2 66p |
| 5. Rs. 10 00p | 6. Rs. 80 00p | 7. Rs. 90 90p | 8. Rs. 20 1p |

4. 1. Rs. 16 37p 2. Rs. 15 65p 3. Rs. 40 50p 4. Rs. 100 63p
 5. Rs. 30 3p 6. Rs. 100 25p 7. Rs. 125 75p 8. Rs. 64 5p
5. 1. Rs. 72 50p 2. Rs. 20 22p 3. Rs. 69 10p 4. Rs. 1 25p
 5. Rs. 30 50p 6. Rs. 90 15p
6. 1. 1900 2. 6000 3. 1323 4. 1424

3

1. 1. Rs. 155.00 2. Rs. 108.80 3. Rs. 155.55
 4. Rs. 1.99 5. Rs. 155.55
2. 1. 140 paise 2. 125 paise 3. 123 paise 4. 409 paise
 5. 85.83 6. 36.62 7. 596.78 8. 588.09
 9. 768.95 10. 757.57 11. Rs. 30 and 80 p
 12. Rs. 465 and 80p

4

1. Rs. 578.75 2. Rs. 473.20
 3. Rs. 290.10 4. Rs. 150.25

5

1. 1. Rs. 51.12 2. Rs. 39.88 3. Rs. 73.60 4. Rs. 43.67
 5. Rs. 47.35 6. Rs. 33.45 7. Rs. 54.28 8. Rs. 23.47
 9. Rs. 0.35 10. Rs. 0.74
2. 1. Rs. 90.78 2. Rs. 50.90 3. Rs. 48.10
 - 67.71 - Rs. 40.08 - Rs. 18.65
Rs. 23.07 Rs. 10.82 Rs. 29.45
3. 1. Rs. 9.00 2. Rs. 12.00 3. Rs. 30.00
 - 0.90 0.55 0.87
Rs. 8.10 Rs. 11.45 Rs. 29.13
4. 1. 64 paise 2. 24 paise 3. 26 paise 4. 284 paise
5. 1. 57.35 2. 65.18 3. 18.09 4. 61.45
 5. 54.30 6. 9.30 7. 101.45 8. 292.60
 9. 272.89 10. 44.54 11. 13.45 12. 16.70

6

- | | | | |
|---|---|--|---|
| 1. Rs. 53.70
Rs. 18.46
<hr/> Rs. 72.16 | Rs. 90.00
–Rs. 72.16
<hr/> Rs. 17.84 | 2. Rs. 50.00
– Rs. 12.50
<hr/> Rs. 37.50 | 3. Rs. 500.00
– Rs. 185.75
<hr/> Rs. 314.25 |
| 4. Rs. 100.00
– Rs. 33.25
<hr/> Rs. 67.75 | 5. Rs. 1000
– Rs. 275
<hr/> Rs. 725 | 6. Rs. 25.75
–Rs. 12.50
<hr/> Rs. 13.25 | 7. Rs. 987.00
– Rs. 525.75
<hr/> Rs. 461.25 |
| 8. Rs. 50.00
–Rs. 17.50
<hr/> Rs. 32.50 | 9. Rs. 40.80
–Rs. 27.85
<hr/> Rs. 12.95 | 10. Rs. 62.40
–Rs. 22.10
<hr/> Rs. 40.30 | |

7

- | | | | |
|-----------|------------|------------|------------|
| 1. 300.48 | 2. 13.35 | 3. 18.90 | 4. 10.40 |
| 5. 45.60 | 6. 48.90 | 7. 28.56 | 8. 187.36 |
| 9. 376.25 | 10. 237.69 | 11. 863.94 | 12. 193.38 |
| 13. 64.50 | 14. 267.50 | 15. 192.40 | 16. 82.05 |

8

- | | | | |
|--------------|--------------|-------------|--------------|
| 1. Rs. 6.02 | 2. 3.08 | 3. 9.03 | 4. Rs. 17.10 |
| 5. Rs. 12.06 | 6. Rs. 10.15 | 7. Rs. 9.06 | 8. Rs. 12.09 |

MULTIPLE CHOICE QUESTIONS - VII

- | | | | |
|--------|---------|--------|--------|
| 1. (c) | 2. (c) | 3. (c) | 4. (b) |
| 5. (c) | 6. (d) | 7. (d) | 8. (c) |
| 9. (d) | 10. (b) | | |

UNIT 10**3**

- | | | | | | |
|-------------|--------|----------|--------|-----------|-----------|
| 1. 1. 500 | 2. 800 | 3. 900 | 4. 632 | 5. 760 | 6. 215 |
| 2. 1. 3000 | | 2. 6000 | | 3. 9500 | 4. 8635 |
| 3. 1. 9 | 2. 18 | 3. 9, 56 | 4. 8 | 5. 7, 85 | 6. 8, 42 |
| 4. 1. 6 | | 2. 7 | | 3. 8, 575 | 4. 9, 850 |
| 5. 1. cm | 2. m | 3. m | 4. cm | 5. m | 6. cm |
| 6. 1. 5000m | | 2. 6000m | | 3. 2000m | |
| 7. 1. 300cm | | 2. 400cm | | 3. 900cm | |

4

- | | | | |
|-------------|------------|------------|------------|
| 1. 1. 12 42 | 2. 8 74 | 3. 14 00 | 4. 95 39 |
| 5. 31 10 | 6. 100 84 | 7. 13 042 | 8. 12 650 |
| 9. 19 900 | 10. 31 120 | 11. 65 266 | 12. 36 110 |
| 13. 18 070 | 14. 59 313 | 15. 48 771 | 16. 17 97 |
| 17. 15 13 | 18. 23 05 | | |

5

- | | | | |
|------------|-----------|-----------|-----------|
| 1. 1. 7 62 | 2. 14 20 | 3. 48 92 | 4. 43 85 |
| 5. 16 88 | 6. 42 92 | 7. 5 500 | 8. 22 840 |
| 9. 24 05 | 10. 27 43 | 11. 19 05 | 12. 23 84 |

6

- | | | |
|-----------------------------|--------------|---------------|
| 1. 7m 50cm | 2. 2m 90cm | 3. 131km 450m |
| 4. 171km 325m | 5. 7m 30cm | 6. 43m 55cm |
| 7. 14m 60cm | 8. 24m 50cm | |
| 9. Ahmed jumped more by 8cm | 10. 22m 82cm | |

9

- | | | | |
|----------------|-------------|-------------|-----------|
| 1. 1. 5000g | 2. 8000g | 3. 15000g | 4. 12000g |
| 2. 1. 9340g | 2. 6705g | 3. 15464g | 4. 78125g |
| 3. 1. 7kg | 2. 3kg | 3. 18kg | 4. 10kg |
| 4. 1. 9kg 900g | 2. 2kg 756g | 3. 8kg 765g | |
| 4. 14kg 800g | 5. 8kg 423g | 6. 7kg 634g | |
| 5. 1. 1000g | 2. 3000g | 3. 7000g | 4. 5000g |
| 5. 12000g | 6. 8000g | | |

10

- | | | | | |
|-----------|------------|------------|------------|-----------|
| 1. 14.220 | 2. 13.561 | 3. 13.452 | 4. 18.460 | 5. 15.900 |
| 6. 18.650 | 7. 143.050 | 8. 221.230 | 9. 156.395 | |

11

- | | | | | |
|-----------------|--------------|-----------|-----------|----------|
| 1. 1. 4.650 | 2. 4.440 | 3. 4.303 | 4. 4.355 | 5. 5.213 |
| 6. 4.700 | 7. 17.578 | 8. 12.367 | 9. 65.257 | |
| 11. a. 9kg 860g | b. 70kg 700g | | | |

12

- | | | |
|--------------|--------------|--------------|
| 1. 9kg 800g | 2. 38kg 500g | 3. 165kg 40g |
| 4. 9kg 750g | 5. 5kg | 6. 3kg 800g |
| 7. 14kg 750g | 8. 24kg 800g | 9. 54kg 270g |
| 10. 7kg 570g | | |

15

- | | | | |
|---------------|-------------|-------------|-----------|
| 1. 1. 5000 | 2. 8000 | 3. 7000 | 4. 10000 |
| 5. 15000 | 6. 17000 | | |
| 2. 1. 6120 | 2. 9375 | 3. 4905 | 4. 16340 |
| 5. 15480 | | | |
| 3. 1. 3 | 2. 6 | 3. 14 | 4. 10 |
| 4. 1. 3,750 | 2. 9,870 | 3. 13,5 | 4. 15,962 |
| 5. 1. 1000 ml | 3. 7000 ml | 4. 12000 ml | |
| 2. 3000 ml | 4. 11000 ml | 5. 21000 ml | |

16

- | | | | | |
|--------------|-----------|------------|-----------|-----------|
| 1. 1. 18.885 | 2. 20.975 | 3. 18.399 | 4. 15.435 | 5. 21.451 |
| 6. 23.023 | 7. 50.960 | 8. 151.059 | 9. 74.339 | |

17

- | | | | | |
|------------|------------|------------|------------|-----------|
| 1. 3.405 | 2. 5.800 | 3. 5.480 | 4. 22.435 | 5. 54.223 |
| 6. 333.405 | 7. 447.385 | 8. 159.477 | 9. 246.355 | |

18

- | | | |
|---------------|---------------|--------------|
| 1. 4 l 450 ml | 2. 6 l 800 ml | 3. 24l 630ml |
| 4. 14l 200ml | 5. 4l 675ml | 6. 1l 375ml |
| 7. 8l 100ml | 8. 56l 375ml | 9. 2l 625ml |
| 10. 41l 500ml | | |

MULTIPLE CHOICE QUESTIONS-VIII

- | | | | |
|---------|---------|---------|---------|
| 1. (a) | 2. (b) | 3. (b) | 4. (b) |
| 5. (b) | 6. (a) | 7. (b) | 8. (b) |
| 9. (b) | 10. (b) | 11. (b) | 12. (a) |
| 13. (b) | 14. (c) | 15. (b) | 16. (a) |
| 17. (a) | 18. (c) | 19. (a) | 20. (d) |

UNIT 11

2

- | | | | |
|------------------|---------------|---------------|-------|
| 1. 12.00 | 12.05 | 12.15 | 12.20 |
| 8.00 | 12.35 | 9.00 | 11.10 |
| 2.00 | 2.05 | 3.00 | 6.00 |
| 2. 2. 10 minutes | 3. 15 minutes | 4. 30 minutes | |
| 5. 20 minutes | 6. 15 minutes | 7. 20 minutes | |
| 8. 20 minutes | 9. 30 minutes | 10. 15 min. | |

3

- | | | | |
|-------------------|----------------|--------------|-------------|
| 2. 1. a.m. | 2. a.m. | 3. p.m. | 4. p.m. |
| 5. p.m. | 6. a.m. | 7. a.m. | 8. p.m. |
| 3. 1. minute-hand | 2. minute-hand | 3. hour-hand | |
| 4. 1. 6 hours | 2. 4 hours | 3. 5 hours | 4. 12 hours |
| 5. 4 hours | 6. 4 hours | | |

4

- | | | | | | | |
|----------------|--------------|--------------|-----------|---------------|------|------|
| 1. 1. 30, 31 | 2. 7 | 3. 12 | 4. 28, 29 | 5. 365 | | |
| 6. 4 | 7. 366 | 8. 24 | 9. 60 | 10. leap year | | |
| 2. 1. ✓ | 2. ✗ | 3. ✓ | 4. ✓ | 5. ✓ | 6. ✓ | 7. ✗ |
| 3. 1. 48 hours | 2. 96 hours | 3. 240 hours | | | | |
| 4. 720 hours | 5. 168 hours | 6. 216 hours | | | | |
| 4. 1. 2 rounds | 2. 24 rounds | 3. hour hand | | | | |

5

- | | | | | |
|---------------|------------|-----------------------|------------|--|
| 1. 50 minutes | 2. 3 hours | 3. 7 hours 30 minutes | | |
| 4. 6 hours | 5. 6 hours | 6. 20 days | 7. 45 days | |
| 8. 21 days | 9. 40 days | 10. 30 days | | |

MULTIPLE CHOICE QUESTIONS-IX

- | | | | |
|---------|---------|---------|---------|
| 1. (b) | 2. (c) | 3. (b) | 4. (d) |
| 5. (b) | 6. (b) | 7. (c) | 8. (a) |
| 9. (d) | 10. (b) | 11. (c) | 12. (b) |
| 13. (d) | 14. (b) | 15. (d) | 16. (a) |
| 17. (c) | 18. (a) | 19. (c) | 20. (a) |

3

1. 1. A point is usually represented by a fine dot made by a sharp pencil on a paper.
2. line-segment is a set of points.
3. only one line-segment.
4. Any number of line-segments.
5. ruler.
2. 1. 5.6 cm. 2. 9.4 cm. 3. 11.9 cm. 4. 4.8 cm. 5. 13 cm
4. AB PQ WX
 BC QR XY
 CA RS YZ
 SP ZW
5. 1. Yes, we can draw any number of line-segments containing this marked point.
2. No, we can draw only one line-segment passing through these two points.

4

1. Square, Rectangle, Triangle, Circle
2. 1. A plane figure is a figure bounded by straight or curved lines.
2. 3
3. A triangle is a plane figure bounded by 3 straight line segments
4. A triangle has 3 sides.
5. A quadrilateral is a plane figure bounded by 4 straight line-segments.
6. A quadrilateral has 4 sides.
7. A square is a plane figure bounded by 4 straight line segments with all its sides equal and all its angles being right angles.
3. 1. 4, 4 2. 3, 3 3. equal 4. Opposite
 5. equal 6. equal 7. circular 8. rectangular

MULTIPLE CHOICE QUESTIONS-X

- | | | | |
|--------|---------|--------|--------|
| 1. (a) | 2. (a) | 3. (c) | 4. (c) |
| 5. (d) | 6. (d) | 7. (c) | 8. (d) |
| 9. (c) | 10. (c) | | |

UNIT 13

1

1. 6cm, 6cm, 3cm, 3cm, 18cm.
2. 5cm, 5cm, 5cm, 5cm, 20cm.
3. 6cm, 6cm, 6cm, 18cm.
4. 5.5cm, 5.5cm, 4cm, 4cm, 19cm.
5. 4cm, 7cm, 5cm, 16cm.
6. 7cm, 7cm, 3.5cm, 3.5cm, 21cm.

2

1.

6	2	3	0
12	1	2	0
8	1	0	0
2.

✓	×	✓	✓	×
×	✓	×	✓	✓
3. The part of a solid which we usually see and touch is called the surface of a solid.
4. Cuboid is a solid is which only the opposite surfaces are identical whereas all the surfaces of a cube are identical.

MULTIPLE CHOICE QUESTIONS-XI

- | | | | |
|--------|---------|--------|--------|
| 1. (b) | 2. (a) | 3. (c) | 4. (b) |
| 5. (d) | 6. (b) | 7. (b) | 8. (d) |
| 9. (b) | 10. (a) | | |

UNIT 15

1

- | | | | |
|----------------|----------------|----------------|------------------|
| 1. 80 toy cars | 2. 70 toy cars | 3. 10 toy cars | 4. 30 toy cars |
| 5. 50 toy cars | 6. 20 toy cars | 7. 60 toy cars | 8. 90 toy cars |
| 9. 30 toy cars | 10. May | 11. February | 12. 380 toy cars |

2

1. 9 students
2. 10 students
3. 7 students
4. 8 students
5. 11 students
6. 6 students
7. 56 students
8. fish
9. 1 student

2. 1. garden 2 2. garden 4 3. 225 rose bushes
 4. 200 rose bushes 5. 150 rose bushes 6. 175 rose bush
 7. 850 rose bushes
3. 1. 5 guavas 2. 6 oranges 3. 8 apples 4. 4 pine apples
 5. 9 mangoes 6. mango 7. pine apple 8. 32 fruits

MODEL QUESTIONS FOR QUARTERLY EXAMINATION

PART A

1. (c) 2. (b) 3. (d) 4. (a)
 5. (b) 6. (d) 7. (b) 8. (d)
 9. (a) 10. (c)

PART B

1. (a) 9090 (b) 8491
2. (a) Seven thousand eight hundred and sixty nine
 (b) Three thousand and thirty
3. 7932, 8032
4. 7900, 7910, 7920, 7930
5. 3499, 3498, 3497, 3496, 3495, 3494
6. (a) 3299 (b) 999
7. 503, 530, 305, 350
8. $3000 + 800 + 70 + 5$
9. $1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9 + 10 = 55$
10. 1. XIX 2. XXIX
11. one, two
12. 1. In a cuboid, only the opposite surfaces are identical.
 2. In a cube, all the surfaces are identical.

PART-C

3. 1. 4453 2. 1315 3. 11235 4. 2696
 5. 5705 6. 1999 7. 4777
 8. a. 66 b. 45 9. 750 10. 9000
 11. 6738, 7248, 7482, 7842, 8724.
 12. 9796, 9769, 9653, 8637, 6938.

PART-D

- | | | |
|-------|--|-------------------|
| 4. 1. | The number of men | = 2875 |
| | The number of women | = 2196 |
| | The number of children | = 3508 |
| | The total population | <u>= 8579</u> |
| 2. | Total number of students appeared in the examination | = 2759 |
| | Number of students passed | = 2668 |
| | Number of students failed | <u>= 091</u> |
| | 91 students failed. | |
| 3. | The amount Remya had in the bank | = Rs. 4765 |
| | The amount she earned in her shop | = Rs. 2457 |
| | Total amount she had | = Rs. 7222 |
| | The amount she spent on her birthday | = Rs. 3452 |
| | The amount she now has | <u>= Rs. 3770</u> |

MODEL QUESTIONS FOR HALF-YEARLY EXAMINATION

PART A

- | | | | |
|-----------|---------|--------|--------|
| 1. 1. (c) | 2. (b) | 3. (d) | 4. (c) |
| 5. (b) | 6. (d) | 7. (a) | 8. (c) |
| 9. (c) | 10. (b) | | |

PART B

- | | | | |
|-------------------------------|----------------------------|---------|--|
| 2. 1. (a) 2040 | (b) 2040 | | |
| 2. $81 + 49 = 130$ | 3. 4438 | 4. 1056 | |
| 5. (1) $13 \times 500 = 6500$ | (2) $12 \times 300 = 3600$ | | |
| 6. $Q = 241$ $R = 1$ | 7. $36 \div 9 = 4$ | | |
| 8. $63 \div 9 = 7$ | | | |
| $63 \div 7 = 9$ | | | |
| 9. (1) Three Fourths | (b) Two thirds | | |
| 10. = | 11. three | | |

PART C

3. 1. 20958
 2. 20 16 12 8 4 0 (1) Six fours (2) $24 \div 4 = 6$
 3. Q = 14 R = 36

4. (1) (2)

$$\begin{array}{r} 81 \\ 72 \\ \hline 72 \\ \hline 0 \end{array}$$

$$\begin{array}{r} 8 \\ 6 \\ \hline 4 \\ 24 \\ \hline 24 \\ \hline 0 \end{array}$$

5. (1) (2)

$$\begin{array}{r} 45 \\ 60 \\ \hline 60 \\ \hline 0 \end{array}$$

Q = 304, R = 0

$$\begin{array}{r} 11 \\ 88 \\ \hline 29884 \\ \hline 88880 \end{array}$$

Q = 18, R = 0

6. , , , ,

7. (1) + = (2) + =

8. (1) - = (2) - =

9. + + =

10. A rectangle is a plane figure bounded by 4 straight line-segments with its opposite sides equal and all angles are being right angles.

11. A quadrilateral is a plane figure bounded by 4 straight line-segments.

12. , , , , .

PART D

4. 1. Collection from one student = Rs. 125
Number of Students = Rs. 45
 \therefore Total Collection = Rs. 125
 $\times 45$

 625

 500
Total Collection = Rs. 5625
2. Number of chalk pieces in one box = 50
Number of boxes = 43
 \therefore Number of chalk pieces in 43 boxes = 50×43
= 2150
3. The cost of 12 watches = Rs. 3804
 \therefore The cost of 1 watch = $\text{Rs. } 3804 \div 12$
= Rs. 317

MODEL QUESTIONS FOR ANNUAL EXAMINATION

PART A

1. 1. (d) 2. (c) 3. (a) 4. (d)
5. (b) 6. (a) 7. (b) 8. (d)
9. (b) 10. (d)

PART B

2. 1. (1) 975 P
(2) 1825 P
2. (1) Rs. 36.08 p
(2) Rs. 10.27 p
3. 2 rounds
4. (1) 3000m (2) 9000m
5. Rs. 119.90
6. 9 hours 40 minutes
= $9 \times 60 \text{ min} + 40 \text{ min}$
= $540 \text{ min} + 40 \text{ min}$
= 580 min

7. $3\text{km } 200\text{m}$
 $= 3 \times 1000\text{m} + 200\text{m}$
 $= 3000\text{m} + 200\text{m}$
 $= 3200\text{m}$
8. $9\text{kg } 350\text{g}$
 $= 9 \times 1000\text{g} + 350\text{g}$
 $= 9000\text{g} + 350\text{g}$
 $= 9350\text{g}$
9. $3\text{l } 355\text{ml}$
 $= 3 \times 1000\text{ml} + 355\text{ml}$
 $= 3000\text{ml} + 355\text{ml}$
 $= 3355\text{ml}$
10. The side of a square = 15cm
 \therefore Its perimeter
 $= 15\text{cm} + 15\text{cm} + 15\text{cm} + 15\text{cm}$
 $= 4 \times 15\text{cm}$
 $= 60\text{cm}$
11. (1) m (2) cm
12. *l* or *ml*

PART C

3. 1. 119.13
 2. 60.59
 3.

Rs. 48.81	Rs. 90.00
<u>Rs. 19.66</u>	<u>Rs. 68.47</u>
<u>Rs. 68.47</u>	<u>Rs. 21.53</u>

 4. (1) 72 hours
 (2) 168 hours
 5. January, March, May, July, August, October, December
 6. 138.46
 7. 65.257
 8. 15.435

9. Length of a rectangle = 10 cm

Breadth = 5 cm

$$\begin{aligned}\therefore \text{Its perimeter} &= 10\text{cm} + 5\text{cm} + 10\text{cm} + 5\text{cm} \\ &= 30 \text{ cm}\end{aligned}$$

10. 187.36

11. A plane figure is a figure bounded by straight or curved lines.

12. A quadrilateral is a plane figure bounded by 4 straight line segments.

PART D

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|-------|--|--------------|
| 4. 1. | The weight of carrots | = 2kg 250g |
| | The weight of onions | = 3kg 500g |
| | The weight of potatoes | = 2kg 300g |
| | The weight of brinjals | = 1kg 750g |
| | \therefore The total weight | = 9kg 800g |
| 2. | The total length of cloth | = 24m 55cm |
| | The length of the cloth used | = 17m 25cm |
| | \therefore The length of remaining cloth | = 7 m 30 cm |
| 3. | The amount which Daddy has | = Rs. 500.00 |
| | The amount which he spends | = Rs. 377.60 |
| | \therefore The amount now he has | = Rs. 122.40 |

PART E

1. 2. All the sides of a square are equal whereas only opposite sides of a rectangle are equal.