



# MATHS

## Wizard

(A MAIN COURSE BOOK OF MATHEMATICS)

Math 3  
Solution

# TEACHER'S HELP BOOK

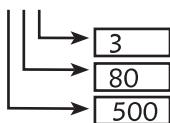
## MATHS WIZARD-1

### Page 5

1. (a) 182 (b) 644 (c) 756 (d) 852 (e) 449
2. (a) Four hundred sixty three  
(b) Nine hundred forty one  
(c) Nine hundred
3. (a)  $500 + 80 + 2$  (b)  $800 + 40 + 0$  (c)  $200 + 10 + 9$
4. (a) 496 (b) 644 (c) 970 (d) 206
5. (a)  $>$  (b)  $<$  (c)  $>$  (d)  $=$  (e)  $<$  (f)  $<$

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6. (a) 342, 239, 217, 189, 75  
(b) 817, 781, 732, 315, 178
7. (a) 193, 248, 265, 462, 937  
(b) 459, 549, 594, 945, 954
8. 583



9. (a) 

|     |   |   |
|-----|---|---|
| 4   | 6 | 5 |
| + 3 | 2 | 3 |
| 7   | 8 | 8 |

 (b) 

|     |   |   |
|-----|---|---|
| 5   | 0 | 4 |
| + 3 | 4 | 4 |
| 8   | 4 | 8 |
- (c) 

|     |   |   |
|-----|---|---|
| 7   | 2 | 6 |
| + 2 | 7 | 3 |
| 9   | 9 | 9 |

 (d) 

|     |   |   |
|-----|---|---|
| 3   | 4 | 1 |
| + 3 | 5 | 8 |
| 6   | 9 | 9 |

10. Arav picked strawberries = 246  
Jiwika picked strawberries = 173  
Jasmine picked strawberries = 108  
Total strawberries picked 527

11. (a)

$$\begin{array}{r} 7 \ 8 \ 5 \\ - 4 \ 3 \ 2 \\ \hline 3 \ 5 \ 3 \end{array}$$

(b)

$$\begin{array}{r} 5 \ 0 \ 4 \\ - 3 \ 4 \ 4 \\ \hline 1 \ 6 \ 0 \end{array}$$

(c)

$$\begin{array}{r} 7 \ 2 \ 6 \\ - 2 \ 7 \ 3 \\ \hline 4 \ 5 \ 3 \end{array}$$

(d)

$$\begin{array}{r} 7 \ 7 \ 6 \\ - 6 \ 3 \ 6 \\ \hline 1 \ 4 \ 0 \end{array}$$

12. Total number of students = 857

$$\text{No. of girls} = \underline{\quad 435 \quad}$$

$$\text{No. of boys} = \underline{\quad 422 \quad}$$

13. (a)  $5 \times 4 = 4 \times 5$

(b)  $11 \times 1 = 11$

(c)  $1 \times 9 = 9$

(d)  $18 \times 0 = 0$

14. (a)

$$\begin{array}{r} 2 \ 2 \\ \times 4 \\ \hline 8 \ 8 \end{array}$$

(b)

$$\begin{array}{r} 1 \ 4 \\ \times 2 \\ \hline 2 \ 8 \end{array}$$

(c)

$$\begin{array}{r} 2 \ 3 \\ \times 3 \\ \hline 6 \ 9 \end{array}$$

(d)

$$\begin{array}{r} 1 \ 0 \\ \times 5 \\ \hline 5 \ 0 \end{array}$$

15. No. of days in a week = 7

No. of weeks = 7

Total no. of days =  $7 \times 7 = \mathbf{49 \text{ days}}$

16.  $4 \times 5 = 20$  ;  $5 \times 4 = \mathbf{20}$

## Page 7

17.  $32 \div 4 = 8$  ;  $32 \div 8 = \mathbf{4}$

18.

$$\begin{array}{r} 3 \ 6 \\ - 4 \\ \hline 3 \ 2 \\ - 4 \\ \hline 2 \ 8 \\ - 4 \\ \hline 2 \ 4 \\ - 4 \\ \hline 2 \ 0 \end{array}$$

$$\begin{array}{r} 2 \ 0 \\ - 4 \\ \hline 1 \ 6 \\ - 4 \\ \hline 1 \ 2 \\ - 4 \\ \hline 8 \\ - 4 \\ \hline 4 \\ - 4 \\ \hline 0 \end{array}$$

19. (a) Cuboid (b) Sphere (c) Cone (d) Cone (e) Cone (f) Cuboid

(g) Cube (h) Cube

20.(a)  $10 \times 5 = ₹ 50$

**Ans 5**

(b) Money with Jaya = ₹ 175

Money with Preeti = ₹ + 229

$$\begin{array}{r} \\ \hline \end{array}$$

$$\begin{array}{r} ₹ 404 \\ \hline \end{array}$$

**₹ 404**

(c) Money with Neha = ₹ 100

Money Spent on book = ₹ 87

$$\begin{array}{r} \\ \hline \\ \end{array}$$

$$\begin{array}{r} ₹ 13 \\ \hline \end{array}$$

**₹ 13**

(d) Cost of 6 pens = ₹ 36

No. of pens = 6

Cost of 1 pen = ₹  $36 \times 6 = ₹ 6$

**₹ 6**

21. (a) 11 : 45 (b) 12 : 00 (c) 12 : 20 (d) 6 : 40 (e) 7 : 00 (f) 8 : 20

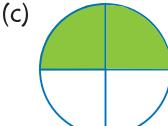
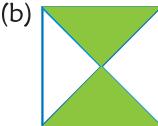
22. (a) before (b) Sunday, Tuesday (c) first (d) after (e) April (f) 31

(g) last (h) Thursday, Friday

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23. (a) 7 (b) 366 (c) 30 (d) 28 ; 29 (e) 4 (f) 7

24.(a)



25. (a)  $\frac{1}{2}$  (b)  $\frac{2}{4}$  (c)  $\frac{1}{4}$  (d)  $\frac{1}{4}$  (e)  $\frac{1}{4}$

## Chapter 2

## Page 11

1. (a) 1754 (b) 3297 (c) 5477 (d) 8059 (e) 9643

2. (a) One thousand nine hundred seventy six

(b) Three thousand five hundred forty seven

(c) Three thousand two hundred eight

(d) Six thousand seven hundred nine

(e) Eight thousand five hundred thirty

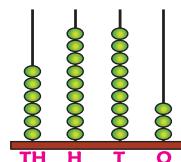
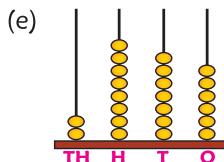
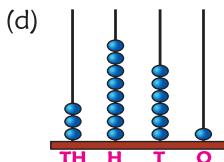
(f) Nine thousand eight hundred fifty four

## Page 12

3. (a) 1010, 1011, 1012, 1013, 1014

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## Page 15

1. (a) 7 (b) 7 (c) 7 (d) 7 (e) 7 (f) 7

## Page 16

2. (a)  $1000 + 900 + 80 + 7$       (b)  $2000 + 700 + 0 + 8$   
     (c)  $3000 + 800 + 70 + 9$       (d)  $6000 + 500 + 30 + 4$   
     (e)  $9000 + 200 + 40 + 0$       (f)  $6000 + 0 + 0 + 3$   
     (g)  $3000 + 100 + 0 + 5$       (h)  $4000 + 100 + 0 + 9$   
     (i)  $6000 + 900 + 90 + 7$       (j)  $5000 + 300 + 20 + 1$
3. (a) 1999 (b) 2744 (c) 5047 (d) 5032 (e) 4836 (f) 7659  
     (g) 3009 (h) 8808 (i) 9120 (j) 3250
4. Place value of 8 in 7845 = 800  
     Face value of 8 in 7845 = 8  
     Difference =  $800 - 8$  = **792**
5. Place value of 3 in 3215 = 3000  
     Face value of 3 in 3215 = 3  
     Sum =  $3000 + 3$  = **3003**
6. Place value of 7's in 9778 = 700 ; 70  
     Difference =  $700 - 70$  = **630**
7. Place value of two 9's in 9493 = 9000 ; 90  
     Sum =  $9000 + 90$  = **9090**
8. (a) True (b) True (c) False (d) True

## Page 21

1. (a)  $>$  (b)  $<$  (c)  $>$  (d)  $>$  (e)  $=$  (f)  $>$  (g)  $>$  (h)  $>$  (i)  $<$  (f)  $<$
2. (a) 9560 (b) 9031 (c) 6360 (d) 7537 (e) 2940
3. (a) 1005 (b) 3015 (c) 1103 (d) 1102 (e) 1940
4. (a) 1734, 2931, 3055, 4032, 5432, 6455, 7840  
     (b) 1199, 2040, 3049, 4741, 4851, 6533, 9430  
     (c) 10098, 1333, 2005, 4514, 4733, 5432, 6544  
     (d) 1905, 3355, 4203, 5715, 7505, 7750, 8697

5. (a) 7530, 7053, 5073, 3057, 537, 357

(b) 7612, 7216, 7162, 7126, 6721, 6127

(c) 3010, 3010, 1300, 1030, 1003, 301

(d) 6521, 6215, 2561, 2551, 1526, 1265

6. 9730, 7309, 9037, 3907, 7930, 3790

7. (a) 8530; 3058

(b) 9741; 1479

(c) 8543; 3458

(d) 8630; 3068

(e) 9886; 6889

8. Do it yourself.

9. Do it yourself.

## Chapter 3

### Page 24

#### 1. Write using Hindu-Arabia Numberals :

(a)

|   |    |    |    |    |    |     |     |      |    |
|---|----|----|----|----|----|-----|-----|------|----|
| V | VI | IV | IX | X  | XI | VII | XII | XIII | XX |
| 5 | 6  | 4  | 9  | 10 | 11 | 7   | 12  | 13   | 20 |

(b)

|     |      |     |     |     |      |      |        |      |     |
|-----|------|-----|-----|-----|------|------|--------|------|-----|
| XVI | XVII | XIV | XIX | XXI | XXVI | XXVI | XXVIII | XXIX | XXX |
| 16  | 17   | 14  | 19  | 21  | 23   | 26   | 28     | 29   | 30  |

#### 2. Write using Roman numerals :

(a)

|    |     |   |    |      |    |    |    |      |    |
|----|-----|---|----|------|----|----|----|------|----|
| 2  | 2   | 5 | 6  | 8    | 9  | 10 | 15 | 17   | 20 |
| II | III | V | VI | VIII | IX | X  | XV | XVII | XX |

(b)

|     |     |      |      |      |       |     |      |        |       |
|-----|-----|------|------|------|-------|-----|------|--------|-------|
| 21  | 25  | 26   | 24   | 29   | 27    | 30  | 31   | 33     | 34    |
| XXI | XXV | XXVI | XXIV | XXIX | XXVII | XXX | XXXI | XXXIII | XXXIV |

3. (a) > (b) > (c) > (d) < (e) < (f) < (g) < (h) < (i) >

### Page 25

4. (a) > (b) = (c) = (d) < (e) < (f) <

5. (a) X, XX, XXX, XL, L, C

(b) XI, XIX, XXI, XXII, XXVII, XXX

6. (a) XXIX, XIX, XIII, XII, XI, IX

(b) L, XL, XXX, XXIX, XIX, XVIII

7. (a) XXXII (b) IX (c) XXIV (d) XVIII (e) XL (f) XXV

8. (a) > (b) > (c) > (d) >

## Chapter 4

### Page 27

1. (a)  $14 + 63 = 14 + 60 + 3 = 74 + 3 = 77$   
(b)  $52 + 27 = 52 + 20 + 7 = 72 + 7 = 79$   
(c)  $67 + 31 = 67 + 30 + 1 = 97 + 1 = 98$   
(d)  $45 + 19 = 45 + 10 + 9 = 55 + 9 = 64$   
(e)  $73 + 26 = 73 + 20 + 6 = 93 + 6 = 99$   
(f)  $35 + 29 = 35 + 20 + 9 = 55 + 9 = 64$
2. (a)  $23 + 17 = 20 + 3 + 10 + 7 = 20 + 10 + 3 + 7$   
 $= 30 + 10 = 40$   
(b)  $39 + 46 = 30 + 9 + 40 + 6 = 30 + 40 + 9 + 6$   
 $= 70 + 15 = 85$   
(c)  $53 + 25 = 50 + 3 + 20 + 5 = 50 + 20 + 3 + 5$   
 $= 70 + 8 = 78$   
(d)  $75 + 15 = 70 + 5 + 10 + 6 = 70 + 10 + 5 + 6$   
 $= 80 + 11 = 91$   
(e)  $53 + 42 = 50 + 3 + 40 + 2 = 50 + 40 + 3 + 2$   
 $= 90 + 5 = 95$   
(f)  $89 + 32 = 80 + 9 + 30 + 2 = 80 + 30 + 9 + 2$   
 $= 110 + 11 = 121$
3. (a)  $44 + 27 = 44 + 10 + 10 + 7$   
 $= 54 + 10 + 7$   
 $= 64 + 7$   
 $= 71$   
(b)  $49 + 32 = 49 + 10 + 10 + 10 + 2$   
 $= 59 + 10 + 10 + 2$   
 $= 69 + 10 + 2$   
 $= 79 + 2$   
 $= 81$   
(c)  $57 + 18 = 57 + 10 + 8$   
 $= 67 + 8$   
 $= 75$   
(d)  $57 + 18 = 38 + 10 + 10 + 10 + 10 + 5$   
 $= 48 + 10 + 10 + 10 + 5$   
 $= 58 + 10 + 10 + 5$   
 $= 68 + 10 + 5$   
 $= 78 + 5$   
 $= 83$

$$\begin{aligned}(e) \quad 61 + 28 &= 61 + 10 + 10 + 8 \\&= 71 + 10 + 8 \\&= 81 + 8 \\&= \mathbf{89}\end{aligned}$$

$$\begin{aligned}(f) \quad 73 + 21 &= 73 + 10 + 10 + 1 \\&= 83 + 10 + 1 \\&= 93 + 1 \\&= \mathbf{94}\end{aligned}$$

$$\begin{aligned}4. \quad (a) \quad 57 + 29 &= 57 + 10 + 10 + 9 \\&= 67 + 10 + 9 \\&= 77 + 9 \\&= \mathbf{86}\end{aligned}$$

$$\begin{aligned}(b) \quad 48 + 42 &= 48 + 10 + 10 + 10 + 10 + 2 \\&= 58 + 10 + 10 + 10 + 2 \\&= 68 + 10 + 10 + 2 \\&= 78 + 10 + 2 \\&= 88 + 2 \\&= \mathbf{90}\end{aligned}$$

$$\begin{aligned}(c) \quad 64 + 33 &= 64 + 10 + 10 + 10 + 3 \\&= 74 + 10 + 10 + 3 \\&= 84 + 10 + 3 \\&= 94 + 3 \\&= \mathbf{97}\end{aligned}$$

$$\begin{aligned}(d) \quad 83 + 11 &= 83 + 10 + 1 \\&= 93 + 1 \\&= \mathbf{94}\end{aligned}$$

$$\begin{aligned}(e) \quad 71 + 27 &= 71 + 10 + 10 + 7 \\&= 81 + 10 + 7 \\&= 91 + 7 \\&= \mathbf{98}\end{aligned}$$

$$\begin{aligned}(f) \quad 39 + 44 &= 39 + 10 + 10 + 10 + 10 + 4 \\&= 49 + 10 + 10 + 10 + 4 \\&= 59 + 10 + 10 + 4 \\&= 69 + 10 + 4 \\&= 79 + 4 \\&= \mathbf{83}\end{aligned}$$

## Page 34

1. (a)

$$\begin{array}{r}
 \begin{array}{cc} 1 & 1 \end{array} \\
 7 \ 5 \ 6 \\
 + \ 3 \ 8 \ 6 \\
 \hline
 11 \ 4 \ 2
 \end{array}$$

(b)

$$\begin{array}{r}
 \begin{array}{cc} 1 & 1 \end{array} \\
 6 \ 8 \ 4 \\
 + \ 3 \ 5 \ 9 \\
 \hline
 10 \ 4 \ 3
 \end{array}$$

(c)

$$\begin{array}{r}
 \begin{array}{cc} 1 & 1 \end{array} \\
 6 \ 7 \ 6 \\
 + \ 3 \ 6 \ 4 \\
 \hline
 10 \ 4 \ 0
 \end{array}$$

(d)

$$\begin{array}{r}
 \begin{array}{cc} 1 & 1 \end{array} \\
 5 \ 3 \ 6 \\
 + \ 1 \ 9 \ 8 \\
 \hline
 7 \ 3 \ 4
 \end{array}$$

(e)

$$\begin{array}{r}
 \begin{array}{cc} 1 & 1 \end{array} \\
 5 \ 4 \ 8 \\
 + \ 2 \ 9 \ 7 \\
 \hline
 8 \ 4 \ 5
 \end{array}$$

(f)

$$\begin{array}{r}
 \begin{array}{cc} 1 & 1 \end{array} \\
 2 \ 4 \ 4 \\
 + \ 4 \ 9 \ 8 \\
 \hline
 7 \ 4 \ 2
 \end{array}$$

(g)

$$\begin{array}{r}
 \begin{array}{cc} 1 & 1 \end{array} \\
 8 \ 5 \ 3 \\
 + \ 6 \ 7 \ 8 \\
 \hline
 15 \ 3 \ 1
 \end{array}$$

(h)

$$\begin{array}{r}
 \begin{array}{cc} 1 & 1 \end{array} \\
 8 \ 5 \ 9 \\
 + \ 5 \ 6 \ 1 \\
 \hline
 14 \ 2 \ 0
 \end{array}$$

(i)

$$\begin{array}{r}
 \begin{array}{cc} 1 & 1 \end{array} \\
 9 \ 8 \ 7 \\
 + \ 2 \ 3 \ 5 \\
 \hline
 12 \ 2 \ 2
 \end{array}$$

(j)

$$\begin{array}{r}
 \begin{array}{cc} 1 & 1 \end{array} \\
 1 \ 6 \ 3 \\
 4 \ 2 \ 3 \\
 + \ 2 \ 8 \ 7 \\
 \hline
 8 \ 7 \ 3
 \end{array}$$

(k)

$$\begin{array}{r}
 \begin{array}{cc} 1 & 1 \end{array} \\
 2 \ 8 \ 4 \\
 4 \ 8 \ 3 \\
 + \ 1 \ 2 \ 8 \\
 \hline
 8 \ 9 \ 5
 \end{array}$$

(l)

$$\begin{array}{r}
 \begin{array}{cc} 1 & 1 \end{array} \\
 1 \ 7 \ 5 \\
 1 \ 7 \ 2 \\
 + \ 4 \ 5 \ 6 \\
 \hline
 9 \ 5 \ 3
 \end{array}$$

## Page 35

2. (a)

$$\begin{array}{r}
 \begin{array}{cc} 1 & 1 \end{array} \\
 5 \ 9 \ 3 \\
 + \ 3 \ 6 \ 9 \\
 \hline
 9 \ 6 \ 2
 \end{array}$$

(b)

$$\begin{array}{r}
 \begin{array}{cc} 1 & 1 \end{array} \\
 3 \ 7 \ 5 \\
 + \ 4 \ 4 \ 7 \\
 \hline
 8 \ 2 \ 2
 \end{array}$$

(c)

$$\begin{array}{r}
 \begin{array}{cc} 1 & 1 \end{array} \\
 6 \ 5 \ 2 \\
 + \ 1 \ 6 \ 9 \\
 \hline
 8 \ 2 \ 1
 \end{array}$$

(d)

$$\begin{array}{r}
 \begin{array}{cc} 1 & 1 \end{array} \\
 2 \ 8 \ 7 \\
 + \ 5 \ 4 \ 6 \\
 \hline
 8 \ 3 \ 3
 \end{array}$$

(e)

$$\begin{array}{r}
 \begin{array}{cc} 1 & 1 \end{array} \\
 6 \ 5 \ 7 \\
 + \ 2 \ 6 \ 3 \\
 \hline
 9 \ 2 \ 0
 \end{array}$$

(f)

$$\begin{array}{r}
 \begin{array}{cc} 1 & 1 \end{array} \\
 7 \ 2 \ 8 \\
 + \ 3 \ 8 \ 5 \\
 \hline
 11 \ 1 \ 3
 \end{array}$$

(g)

$$\begin{array}{r}
 \begin{array}{cc} 1 & 1 \end{array} \\
 2 \ 8 \ 2 \\
 + \ 3 \ 2 \ 9 \\
 \hline
 6 \ 1 \ 1
 \end{array}$$

(h)

$$\begin{array}{r}
 \begin{array}{cc} 1 & 1 \end{array} \\
 4 \ 1 \ 5 \\
 + \ 2 \ 9 \ 8 \\
 \hline
 7 \ 1 \ 3
 \end{array}$$

(i)

$$\begin{array}{r}
 \begin{array}{cc} 1 & 1 \end{array} \\
 6 \ 7 \ 8 \\
 + \ 1 \ 4 \ 7 \\
 \hline
 8 \ 2 \ 5
 \end{array}$$

(j)

$$\begin{array}{r}
 \begin{array}{cc} 1 & 1 \\ 8 & 6 & 5 \\ + & 9 & 8 & 7 \\ \hline 18 & 5 & 2 \end{array}
 \end{array}$$

(k)

$$\begin{array}{r}
 \begin{array}{cc} 1 & 1 \\ 9 & 7 & 6 \\ + & 6 & 7 & 2 \\ \hline 16 & 4 & 8 \end{array}
 \end{array}$$

(l)

$$\begin{array}{r}
 \begin{array}{cc} 1 & 1 \\ 7 & 4 & 8 \\ + & 1 & 7 & 4 \\ \hline 9 & 2 & 2 \end{array}
 \end{array}$$

(m)

$$\begin{array}{r}
 \begin{array}{cc} 1 & 1 \\ 6 & 3 & 5 \\ + & 7 & 7 & 7 \\ \hline 14 & 1 & 2 \end{array}
 \end{array}$$

(n)

$$\begin{array}{r}
 \begin{array}{cc} 1 & 1 \\ 8 & 9 & 6 \\ + & 5 & 2 & 7 \\ \hline 14 & 2 & 3 \end{array}
 \end{array}$$

(o)

$$\begin{array}{r}
 \begin{array}{cc} 1 & 1 \\ 5 & 8 & 4 \\ + & 8 & 7 & 6 \\ \hline 14 & 6 & 0 \end{array}
 \end{array}$$

3. (a)

$$\begin{array}{r}
 \begin{array}{cc} 1 & 1 \\ 5 & 4 & 7 \\ + & 2 & 6 & 4 \\ \hline 8 & \boxed{1} & \boxed{1} \end{array}
 \end{array}$$

(b)

$$\begin{array}{r}
 \begin{array}{cc} 1 & 1 \\ 3 & 8 & 9 \\ + & 4 & 5 & 6 \\ \hline 8 & \boxed{4} & 5 \end{array}
 \end{array}$$

(c)

$$\begin{array}{r}
 \begin{array}{cc} 1 & 1 \\ 9 & 4 & 8 \\ + & 3 & 7 & 5 \\ \hline 13 & 2 & 3 \end{array}
 \end{array}$$

## Page 36

1. (a)

$$\begin{array}{r}
 \begin{array}{cc} 1 & 1 \\ 3 & 2 & 2 & 6 \\ + & 3 & 2 & 7 & 5 \\ \hline 6 & 6 & 0 & 1 \end{array}
 \end{array}$$

(b)

$$\begin{array}{r}
 \begin{array}{cc} 1 & 1 \\ 4 & 7 & 6 & 3 \\ + & 4 & 2 & 1 & 5 \\ \hline 8 & 9 & 7 & 8 \end{array}
 \end{array}$$

(c)

$$\begin{array}{r}
 \begin{array}{cc} 1 & 1 \\ 3 & 4 & 5 & 1 \\ + & 6 & 2 & 3 & 8 \\ \hline 9 & 6 & 8 & 9 \end{array}
 \end{array}$$

(d)

$$\begin{array}{r}
 \begin{array}{cc} 1 & 1 \\ 3 & 4 & 5 & 6 \\ + & 3 & 2 & 7 & 5 \\ \hline 6 & 6 & 1 & 0 \end{array}
 \end{array}$$

(e)

$$\begin{array}{r}
 \begin{array}{cc} 1 & 1 \\ 3 & 4 & 0 & 6 \\ + & 5 & 4 & 9 & 3 \\ \hline 8 & 8 & 9 & 9 \end{array}
 \end{array}$$

(f)

$$\begin{array}{r}
 \begin{array}{cc} 1 & 1 \\ 6 & 4 & 0 & 3 \\ + & 2 & 2 & 2 & 8 \\ \hline 8 & 6 & 3 & 1 \end{array}
 \end{array}$$

2. (a)

$$\begin{array}{r}
 \begin{array}{cc} 1 & 1 \\ 3 & 1 & 6 & 0 \\ + & 5 & 2 & 0 & 1 \\ \hline 8 & 3 & 6 & 1 \end{array}
 \end{array}$$

(b)

$$\begin{array}{r}
 \begin{array}{cc} 1 & 1 \\ 4 & 2 & 3 & 5 \\ + & 3 & 2 & 2 & 2 \\ \hline 7 & 4 & 5 & 7 \end{array}
 \end{array}$$

(c)

$$\begin{array}{r}
 \begin{array}{cc} 1 & 1 \\ 2 & 5 & 3 & 4 \\ + & 3 & 2 & 5 & 1 \\ \hline 5 & 7 & 8 & 5 \end{array}
 \end{array}$$

(d)

$$\begin{array}{r}
 \begin{array}{cc} 1 & 1 \\ 8 & 0 & 1 & 5 \\ + & 3 & 4 & 5 & 1 \\ \hline 11 & 3 & 6 & 6 \end{array}
 \end{array}$$

(e)

$$\begin{array}{r}
 \begin{array}{cc} 1 & 1 \\ 2 & 6 & 6 & 6 \\ + & 1 & 0 & 2 & 3 \\ \hline 3 & 6 & 8 & 9 \end{array}
 \end{array}$$

(f)

$$\begin{array}{r}
 \begin{array}{cc} 1 & 1 \\ 6 & 1 & 3 & 2 \\ + & 2 & 5 & 4 & 3 \\ \hline 8 & 6 & 7 & 5 \end{array}
 \end{array}$$

(g)

$$\begin{array}{r}
 \begin{array}{cc} 1 & 1 \\ 7 & 2 & 0 & 4 \\ + & 4 & 4 & 4 & 4 \\ \hline 11 & 6 & 4 & 8 \end{array}
 \end{array}$$

(h)

$$\begin{array}{r}
 \begin{array}{cc} 1 & 1 \\ 1 & 9 & 4 & 3 \\ + & 7 & 0 & 2 & 5 \\ \hline 8 & 9 & 6 & 8 \end{array}
 \end{array}$$

(i)

$$\begin{array}{r}
 \begin{array}{cc} 1 & 1 \\ 6 & 0 & 1 & 8 \\ + & 2 & 4 & 1 & 3 \\ \hline 8 & 4 & 3 & 1 \end{array}
 \end{array}$$

3. (a)

|   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|
| 2 | 7 | 0 | 0 |   |   |   |
| + | 8 | 0 | 0 |   |   |   |
| 1 |   |   |   | 0 | 0 | 0 |

(b)

|   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|
| 7 | 0 | 0 |   |   |   |   |
| + | 3 | □ | □ |   |   |   |
| 1 |   |   |   | 0 | 0 | 0 |

(c)

|   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|
| 2 | 0 | 0 |   |   |   |   |
| + | 4 | 0 | 0 |   |   |   |
| 1 |   |   |   | 0 | 0 | 0 |

(d)

|   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|
| 3 | 0 | 0 |   |   |   |   |
| + | 1 | 0 | 0 |   |   |   |
| 1 |   |   |   | 0 | 0 | 0 |

## Page 37

a. Bulbs produced on 1st day = 382  
<sup>(1)</sup>

Bulbs produced on 2nd day = + 525

Total bulbs produced = 907

b. Kites sold on Monday = 175  
<sup>(1)</sup>

Kites sold on Tuesday = + 250

Kites sold on both days = 425

c. No. of women = 238  
<sup>(1) (1)</sup>

No. of men = + 184

Total no. of people = 422

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d. No. of mango trees = 2450  
<sup>(1) (1)</sup>

No. of orange trees = 1245

No. of apple trees = + 1165

Total no. of trees = 4860

e. No. of males = 2807  
<sup>(1) (1)</sup>

No. of females = + 2097

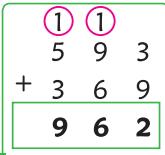
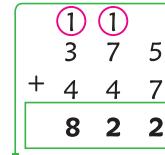
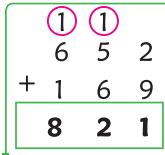
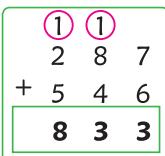
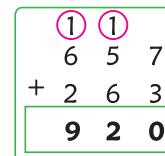
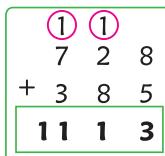
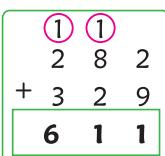
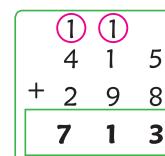
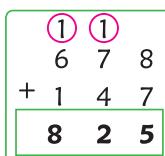
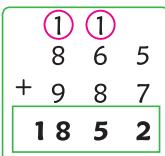
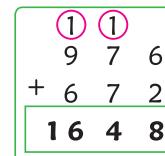
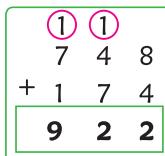
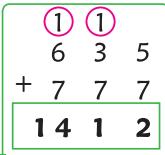
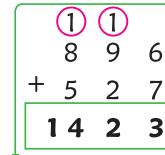
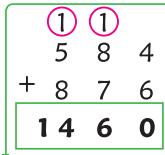
Total no. of people = 4904

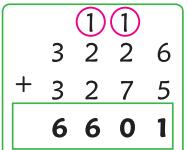
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### MODEL TEST PAPER-I

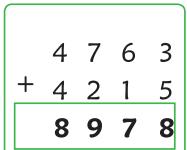
1. (a) 182 (b) 644 (c) 756 (d) 852 (e) 449

2. (a) 2032, 2042, 2052, 2062  
 (b) 5159, 5169, 5179, 5189, 5199  
 (c) 6581, 6591, 6601, 6611, 6621  
 (d) 7076, 7086, 7096, 7106  
 (e) 9142, 9152, 9162, 9172  
 (f) 1061, 1071, 1081, 1091, 1101
3. (a) 1999 (b) 2744 (c) 5047 (d) 5032 (e) 4836 (f) 7659  
 (g) 3009 (h) 8808 (i) 9120 (j) 3250
4. (a) 1005 (b) 3015 (c) 1103 (d) 1102 (e) 1940
5. (a) 1734, 2931, 3055, 4032, 5432, 6455, 7840  
 (b) 1199, 2040, 3049, 4741, 4851, 6533, 9430  
 (c) 10098, 1333, 2005, 4514, 4733, 5432, 6544  
 (d) 1905, 3355, 4203, 5715, 7505, 7750, 8697

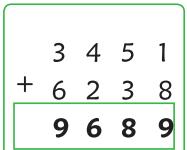
|        |   |     |   |     |   |
|--------|---|-----|---|-----|---|
| 6. (a) |    | (b) |    | (c) |    |
| (d)    |   | (e) |   | (f) |   |
| (g)    |  | (h) |  | (i) |  |
| (j)    |  | (k) |  | (l) |  |
| (m)    |  | (n) |  | (o) |  |

7. (a)   

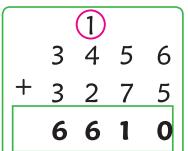
$$\begin{array}{r} 3226 \\ + 3275 \\ \hline 6601 \end{array}$$

(b)   

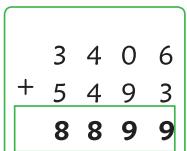
$$\begin{array}{r} 4763 \\ + 4215 \\ \hline 8978 \end{array}$$

(c)   

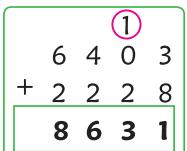
$$\begin{array}{r} 3451 \\ + 6238 \\ \hline 9689 \end{array}$$

(d)   

$$\begin{array}{r} 3456 \\ + 3275 \\ \hline 6610 \end{array}$$

(e)   

$$\begin{array}{r} 3406 \\ + 5493 \\ \hline 8899 \end{array}$$

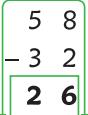
(f)   

$$\begin{array}{r} 6403 \\ + 2228 \\ \hline 8631 \end{array}$$

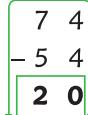
8. (a) > (b) < (c) > (d) > (e) = (f) > (g) > (h) > (i) < (j) <

## Chapter 5

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1. (a)   

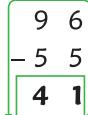
$$\begin{array}{r} 58 \\ - 32 \\ \hline 26 \end{array}$$

(b)   

$$\begin{array}{r} 74 \\ - 54 \\ \hline 20 \end{array}$$

(c)   

$$\begin{array}{r} 61 \\ - 30 \\ \hline 31 \end{array}$$

(d)   

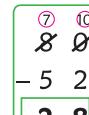
$$\begin{array}{r} 96 \\ - 55 \\ \hline 41 \end{array}$$

(e)   

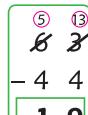
$$\begin{array}{r} 78 \\ - 35 \\ \hline 43 \end{array}$$

(f)   

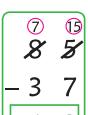
$$\begin{array}{r} 41 \\ - 35 \\ \hline 16 \end{array}$$

(g)   

$$\begin{array}{r} 50 \\ - 25 \\ \hline 28 \end{array}$$

(h)   

$$\begin{array}{r} 55 \\ - 44 \\ \hline 19 \end{array}$$

(i)   

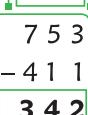
$$\begin{array}{r} 85 \\ - 37 \\ \hline 48 \end{array}$$

(j)   

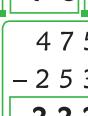
$$\begin{array}{r} 88 \\ - 49 \\ \hline 47 \end{array}$$

(k)   

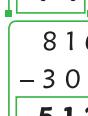
$$\begin{array}{r} 532 \\ - 320 \\ \hline 212 \end{array}$$

(l)   

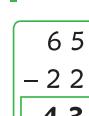
$$\begin{array}{r} 753 \\ - 411 \\ \hline 342 \end{array}$$

(m)   

$$\begin{array}{r} 475 \\ - 253 \\ \hline 222 \end{array}$$

(n)   

$$\begin{array}{r} 816 \\ - 304 \\ \hline 512 \end{array}$$

(o)   

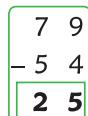
$$\begin{array}{r} 654 \\ - 224 \\ \hline 430 \end{array}$$

### Page 43

1. a.  $54 - 20 - 2 = 34 - 2 = 32$   
 b.  $73 - 30 - 5 = 43 - 5 = 41$   
 c.  $86 - 50 - 4 = 36 - 4 - 32$   
 d.  $145 - 40 - 5 = 105 - 5 = 100$   
 e.  $333 - 100 - 2 = 233 - 2 = 231$   
 f.  $321 - 4 - 4 = 281 - 4 = 277$

2. (a)   

$$\begin{array}{r} 85 \\ - 41 \\ \hline 44 \end{array}$$

(b)   

$$\begin{array}{r} 79 \\ - 54 \\ \hline 25 \end{array}$$

(c)   

$$\begin{array}{r} 97 \\ - 36 \\ \hline 61 \end{array}$$

(d)   

$$\begin{array}{r} 154 \\ - 104 \\ \hline 50 \end{array}$$

(e)

|   |   |   |
|---|---|---|
| 2 | 4 | 6 |
| - | 1 | 4 |
| 1 | 0 | 4 |

(f)

|   |   |   |
|---|---|---|
| 3 | 6 | 7 |
| - | 2 | 3 |
| 1 | 3 | 3 |

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3. a.  $63 - 54 = (63 + 6) - (54 + 6) = 69 - 60 = \mathbf{9}$
  - b.  $81 - 34 = (81 + 6) - (34 + 6) = 87 - 40 = \mathbf{47}$
  - c.  $95 - 46 = (95 + 4) - (46 + 4) = 99 - 50 = \mathbf{49}$
  - d.  $152 - 44 = (152 + 6) - (44 + 6) = 158 - 50 = \mathbf{108}$
  - e.  $246 - 36 = (246 + 4) - (36 + 4) = 250 - 40 = \mathbf{210}$
  - f.  $191 - 64 = (191 + 6) - (64 + 6) = 197 - 70 = \mathbf{127}$
4. a.  $254 - 86 = (254 - 54) - (86 - 54) = 200 - 32 = \mathbf{168}$
  - b.  $307 - 93 = (307 - 7) - (93 - 7) = 300 - 86 = \mathbf{214}$
  - c.  $189 - 104 = (189 - 4) - (104 - 4) = 185 - 100 = \mathbf{85}$
  - d.  $328 - 107 = (328 - 7) - (107 - 7) = 321 - 100 = \mathbf{221}$
  - e.  $432 - 196 = (432 - 32) - (196 - 32) = 400 - 164 = \mathbf{236}$
  - f.  $519 - 201 = (519 - 19) - (201 - 19) = 500 - 182 = \mathbf{318}$

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1. (a)

|   |   |   |
|---|---|---|
| 7 | 3 | 5 |
| - | 2 | 8 |
| 4 | 4 | 9 |

- (b)

|   |    |    |
|---|----|----|
| 4 | 13 | 10 |
| 8 | A  | Ø  |
| - | 3  | 7  |
| 1 | 6  | 8  |

- (c)

|   |    |   |
|---|----|---|
| 5 | 10 |   |
| Ø | Ø  | 7 |
| - | 4  | 4 |
| 1 | 6  | 6 |

- (d)

|    |    |   |
|----|----|---|
| 20 | 20 |   |
| A  | B  | 7 |
| -  | 2  | 5 |
| 1  | 8  | 3 |

### Page 47

- (e)

|   |    |    |
|---|----|----|
| 1 | 14 | 13 |
| - | 7  | 4  |
| 7 | 9  |    |

- (f)

|   |    |    |
|---|----|----|
| 6 | 12 | 12 |
| 7 | Z  | Z  |
| - | 4  | 5  |
| 2 | 7  | 5  |

- (g)

|   |   |    |
|---|---|----|
| 3 | 4 | 10 |
| - | 2 | 4  |
| 1 | 0 | 9  |

- (h)

|   |   |    |
|---|---|----|
| 7 | 5 | 16 |
| - | 3 | 5  |
| 4 | 0 | 9  |

  
- (i)

|   |    |    |
|---|----|----|
| 2 | 14 | 18 |
| - | 1  | 3  |
| 1 | 1  | 9  |

- (j)

|   |    |    |
|---|----|----|
| 6 | 15 | 13 |
| 7 | B  | Z  |
| - | 2  | 8  |
| 4 | 7  | 7  |

- (k)

|   |   |    |
|---|---|----|
| 4 | 9 | 14 |
| Ø | Ø | A  |
| - | 2 | 6  |
| 2 | 3 | 9  |

- (l)

|   |    |    |
|---|----|----|
| 4 | 12 | 16 |
| 8 | Z  | B  |
| - | 2  | 7  |
| 2 | 5  | 7  |

  
- (m)

|   |    |    |
|---|----|----|
| 3 | 14 | 10 |
| A | B  | Ø  |
| - | 3  | 6  |
| 8 | 4  |    |

- (n)

|   |   |    |
|---|---|----|
| 8 | 4 | 16 |
| - | 3 | 4  |
| 5 | 0 | 7  |

- (o)

|   |    |    |
|---|----|----|
| 8 | 12 | 12 |
| Ø | Z  | Z  |
| - | 5  | 8  |
| 3 | 4  | 8  |

- (p)

|   |    |    |
|---|----|----|
| 6 | 12 | 15 |
| 7 | B  | B  |
| - | 1  | 5  |
| 5 | 7  | 8  |

(q)

|    |   |   |
|----|---|---|
| 8  | 9 | 8 |
| -3 | 4 | 8 |
| 5  | 4 | 8 |

(r)

|    |   |   |
|----|---|---|
| 9  | 8 | 8 |
| -6 | 4 | 7 |
| 3  | 0 | 6 |

(s)

|    |   |   |
|----|---|---|
| 8  | 8 | 1 |
| -3 | 7 | 1 |
| 1  | 7 | 0 |

(t)

|    |   |   |
|----|---|---|
| 8  | 8 | 8 |
| -1 | 6 | 7 |
| 1  | 8 | 7 |

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1. (a)

|    |   |   |
|----|---|---|
| 4  | 0 | 0 |
| -1 | 2 | 6 |
| 2  | 7 | 4 |

(b)

|    |   |   |
|----|---|---|
| 7  | 0 | 0 |
| -3 | 4 | 8 |
| 3  | 5 | 2 |

(c)

|    |   |   |
|----|---|---|
| 8  | 0 | 0 |
| -4 | 3 | 6 |
| 3  | 6 | 4 |

(d)

|    |   |   |
|----|---|---|
| 9  | 0 | 0 |
| -5 | 3 | 1 |
| 3  | 6 | 9 |

(e)

|    |   |   |
|----|---|---|
| 3  | 0 | 7 |
| -1 | 4 | 8 |
| 1  | 5 | 9 |

(f)

|    |   |   |
|----|---|---|
| 6  | 0 | 3 |
| -2 | 8 | 8 |
| 3  | 1 | 5 |

(g)

|    |   |   |
|----|---|---|
| 7  | 0 | 8 |
| -4 | 3 | 9 |
| 2  | 6 | 9 |

(h)

|    |   |   |
|----|---|---|
| 5  | 0 | 0 |
| -2 | 1 | 7 |
| 2  | 8 | 3 |

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(i)

|    |   |   |
|----|---|---|
| 3  | 0 | 6 |
| -1 | 5 | 8 |
| 1  | 4 | 8 |

(j)

|    |   |   |
|----|---|---|
| 5  | 0 | 3 |
| -2 | 0 | 6 |
| 2  | 9 | 7 |

(k)

|    |   |   |
|----|---|---|
| 3  | 1 | 0 |
| -1 | 7 | 3 |
| 1  | 3 | 7 |

(l)

|    |   |   |
|----|---|---|
| 6  | 0 | 4 |
| -2 | 1 | 8 |
| 3  | 8 | 6 |

(k)

|    |   |   |
|----|---|---|
| 7  | 0 | 0 |
| -3 | 1 | 4 |
| 3  | 8 | 6 |

(m)

|    |   |   |
|----|---|---|
| 4  | 1 | 0 |
| -1 | 2 | 8 |
| 2  | 8 | 2 |

(n)

|    |   |   |
|----|---|---|
| 9  | 0 | 7 |
| -3 | 1 | 8 |
| 5  | 8 | 9 |

(o)

|    |   |   |
|----|---|---|
| 8  | 0 | 0 |
| -4 | 1 | 8 |
| 3  | 8 | 2 |

(q)

|    |   |   |
|----|---|---|
| 7  | 0 | 7 |
| -5 | 0 | 9 |
| 1  | 9 | 8 |

(r)

|    |   |   |
|----|---|---|
| 4  | 0 | 3 |
| -2 | 1 | 4 |
| 1  | 8 | 9 |

(s)

|    |   |   |
|----|---|---|
| 8  | 0 | 0 |
| -6 | 1 | 2 |
| 1  | 8 | 8 |

(t)

|    |   |   |
|----|---|---|
| 5  | 0 | 8 |
| -3 | 0 | 9 |
| 1  | 9 | 9 |

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1. (a)

|    |   |   |
|----|---|---|
| 3  | 2 | 9 |
| -1 | 7 | 8 |
| 1  | 5 | 1 |

(b)

|    |   |   |
|----|---|---|
| 4  | 5 | 0 |
| -1 | 6 | 3 |
| 2  | 8 | 7 |

(c)

|    |   |   |
|----|---|---|
| 5  | 0 | 7 |
| -3 | 1 | 4 |
| 1  | 9 | 3 |

(d)

|    |   |   |
|----|---|---|
| 3  | 4 | 5 |
| -2 | 0 | 8 |
| 1  | 3 | 7 |

(e)

|    |   |   |
|----|---|---|
| 7  | 3 | 2 |
| -4 | 5 | 6 |
| 2  | 7 | 6 |

(f)

|    |   |   |
|----|---|---|
| 8  | 0 | 0 |
| -2 | 6 | 0 |
| 5  | 4 | 0 |

|     |  |     |  |     |  |     |   |
|-----|--|-----|--|-----|--|-----|---|
| (a) | $\begin{array}{r} 1 & 5 & 3 \\ +2 & 0 & 7 \\ \hline 3 & 6 & 0 \\ - & 6 & 4 \\ \hline 2 & 9 & 6 \end{array}$                                  | (b) | $\begin{array}{r} 2 & 6 & 1 \\ +5 & 1 & 0 \\ \hline 7 & 7 & 1 \\ -3 & 8 & 0 \\ \hline 3 & 9 & 1 \end{array}$                                 | (c) | $\begin{array}{r} 3 & 5 & 9 \\ +1 & 4 & 2 \\ \hline 5 & 0 & 1 \\ -2 & 6 & 3 \\ \hline 2 & 3 & 8 \end{array}$ | (d) | $\begin{array}{r} 2 & 1 & 9 \\ 1 & 5 & 3 \\ +1 & 0 & 3 \\ \hline 4 & 7 & 5 \\ -8 & 6 & \\ \hline 3 & 8 & 9 \end{array}$ |
| (e) | $\begin{array}{r} 4 & 3 & 2 \\ +1 & 2 & 0 \\ \hline 5 & 5 & 2 \\ -2 & 5 & 4 \\ \hline 2 & 9 & 8 \\ -5 & 3 & \\ \hline 2 & 4 & 5 \end{array}$ | (f) | $\begin{array}{r} 7 & 0 & 8 \\ +1 & 3 & 4 \\ \hline 8 & 4 & 2 \\ -5 & 6 & 7 \\ \hline 2 & 7 & 5 \\ -9 & 3 & \\ \hline 1 & 8 & 2 \end{array}$ |     |  |     |   |
|     |  |     |  |     |  |     |   |

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|     |  |     |  |     |  |     |  |
|-----|--|-----|--|-----|--|-----|--|
| (a) | $\begin{array}{r} 3 & 4 & 6 & 2 \\ -1 & 2 & 4 & 0 \\ \hline 2 & 2 & 2 & 2 \end{array}$ | (b) | $\begin{array}{r} 3 & 5 & 1 & 4 \\ -2 & 3 & 1 & 0 \\ \hline 1 & 2 & 0 & 4 \end{array}$ | (c) | $\begin{array}{r} 4 & 5 & 9 & 1 \\ -2 & 0 & 3 & 0 \\ \hline 2 & 5 & 6 & 1 \end{array}$ | (d) | $\begin{array}{r} 6 & 5 & 2 & 9 \\ -3 & 0 & 1 & 8 \\ \hline 3 & 5 & 1 & 1 \end{array}$ |
| (e) | $\begin{array}{r} 2 & 9 & 5 & 4 \\ -1 & 4 & 1 & 2 \\ \hline 1 & 5 & 4 & 2 \end{array}$ | (f) | $\begin{array}{r} 7 & 5 & 2 & 8 \\ -3 & 2 & 1 & 4 \\ \hline 4 & 3 & 1 & 4 \end{array}$ | (g) | $\begin{array}{r} 1 & 9 & 9 & 9 \\ -1 & 5 & 0 & 4 \\ \hline 4 & 9 & 5 \end{array}$     | (h) | $\begin{array}{r} 5 & 7 & 3 & 6 \\ -2 & 5 & 1 & 3 \\ \hline 3 & 2 & 2 & 3 \end{array}$ |
| (i) | $\begin{array}{r} 4 & 7 & 6 & 9 \\ -3 & 7 & 2 & 5 \\ \hline 1 & 6 & 4 & 4 \end{array}$ |     |  |     |  |     |  |

### WORD PROBLEMS

1. Total no. of shirts = **105**

No. of shirts sold = **- 26**

No. of shirts left **79**

2. Total no. of students = **524**

No. of girls = **- 234**

No. of boys **290**

### Page 53

3. Total no. of pages = **216**

No. of pages read = **- 46**

No. of pages left to be read **170**

## Page 54

4. Total no. of apples = 874  
No. of apples picked = - 535  
No. of apples left = **339**

### Addition and subtraction problems

1. Kites sold on Monday = 57  
Kites sold on Tuesday = + 78  
= **135**  
Total no. of kites = 225  
No. of kites sold = - 135  
No. of Kites left = **90**

2. Pages read on Monday = 36  
Pages read on Tuesday = + 57  
No. of pages read = **93**  
Total no. of pages = 192  
No. of pages read = - 93  
No. of pages left = **99**

3. No. of students that come by car = 206  
No. of students that come by bus = + 378  
= **584**  
Total no. of students = 840  
= - 584  
No. of students that walk = **256**

4. No. of apples already in carton = 98  
No. of apples put = + 75  
No. of students that walk = **173**

## Chapter 6

## Page 59

1. (a) 4 (b) 6 (c) 6 (d) 1
2. (a) 63 (b) 28 (c) 80 (d) 56 (e) 81 (f) 42
3. (a) 6 (b) 8 (c) 6 (d) 4 (e) 3 (f) 6

## Page 61

**Multiply the following :**

1. (a)

$$\begin{array}{r} \overset{(4)}{3} \\ \times 8 \\ \hline 280 \end{array}$$

(b)

$$\begin{array}{r} \overset{(4)}{2} \\ \times 5 \\ \hline 145 \end{array}$$

(c)

$$\begin{array}{r} \overset{(5)}{1} \\ \times 7 \\ \hline 126 \end{array}$$

(d)

$$\begin{array}{r} \overset{(2)}{7} \\ \times 8 \\ \hline 584 \end{array}$$

## Page 62

(e)

$$\begin{array}{r} \overset{(1)}{5} \\ \times 7 \\ \hline 364 \end{array}$$

(f)

$$\begin{array}{r} \overset{(1)}{1} \overset{(5)}{2} \\ \times 7 \\ \hline 896 \end{array}$$

(g)

$$\begin{array}{r} 2 \overset{(3)}{1} \\ \times 4 \\ \hline 876 \end{array}$$

(h)

$$\begin{array}{r} \overset{(2)}{3} \overset{(3)}{5} \\ \times 5 \\ \hline 1780 \end{array}$$

(i)

$$\begin{array}{r} \overset{(3)}{3} \overset{(4)}{6} \\ \times 5 \\ \hline 1845 \end{array}$$

(j)

$$\begin{array}{r} 407 \\ \times 6 \\ \hline 2442 \end{array}$$

(k)

$$\begin{array}{r} \overset{(3)}{4} \overset{(2)}{7} \\ \times 4 \\ \hline 1904 \end{array}$$

(l)

$$\begin{array}{r} 516 \\ \times 6 \\ \hline 3096 \end{array}$$

(m)

$$\begin{array}{r} \overset{(3)}{6} \overset{(2)}{9} \\ \times 4 \\ \hline 2788 \end{array}$$

(n)

$$\begin{array}{r} 697 \\ \times 4 \\ \hline 2788 \end{array}$$

(o)

$$\begin{array}{r} \overset{(5)}{8} \overset{(6)}{8} \\ \times 6 \\ \hline 5334 \end{array}$$

(p)

$$\begin{array}{r} 915 \\ \times 4 \\ \hline 3660 \end{array}$$

(q)

$$\begin{array}{r} 1007 \\ \times 5 \\ \hline 5035 \end{array}$$

(r)

$$\begin{array}{r} 1875 \\ \times 6 \\ \hline 11250 \end{array}$$

(s)

$$\begin{array}{r} 2169 \\ \times 3 \\ \hline 6507 \end{array}$$

(t)

$$\begin{array}{r} 3151 \\ \times 3 \\ \hline 9453 \end{array}$$

(u)

$$\begin{array}{r} 4108 \\ \times 2 \\ \hline 8216 \end{array}$$

(v)

$$\begin{array}{r} 4297 \\ \times 2 \\ \hline 8594 \end{array}$$

(w)

$$\begin{array}{r} 2169 \\ \times 2 \\ \hline 4338 \end{array}$$

(x)

$$\begin{array}{r} \overset{(1)}{3} \overset{(1)}{9} \overset{(1)}{7} \\ \times 2 \\ \hline 7952 \end{array}$$

## Page 64

1. (a) 370

(b) 290

(c) 750

(d) 870

(e) 9700

(f) 6500

(g) 3900

(h) 4200

(i) 6000

(j) 5000

(k) 740

(l) 1380

(m) 2280

(n) 1750

(o) 1830

(p) 3950

(q) 1940

(r) 2880

(s) 2740

(t) 6780

## Page 65

1. (a) 1628      (b) 2415      (c) 3905      (d) 3293

## Page 66

7

- (e) 2000      (f) 3720      (g) 6728      (h) 7470  
(i) 7406      (j) 8050      (k) 9904      (l) 7007  
(m) 7986      (n) 9624      (o) 9984      (p) 9933

## Page 67

1. No. of marbles in each box = **50**

No. of boxes = **87**

Total no. of marbles =  $50 \times 87 = \text{4350}$

2. Cost of a pen = **₹ 65**

No. of pens = **8**

Total cost of pens =  $\text{₹ } 65 \times 8 = \text{₹ } 520$

3. Cost of a toy = **₹ 95**

No. of toys = **16**

Total cost of toys =  $\text{₹ } 95 \times 16 = \text{₹ } 1520$

4. No. of seats in a train = **376**

No. of trains = **15**

No. of persons sitting in 15 trains =  $\text{₹ } 376 \times 15 = \text{₹ } 5640$

5. Cost. of a blanket = **₹ 380**

No. of blankets = **20**

Total cost of 20 blankets =  $\text{₹ } 380 \times 20 = \text{₹ } 7600$

6. No. of toffees in a packet = **275**

No. of packets = **14**

Total no. of toffees =  $275 \times 14 = \text{3850}$

7. Weight of 1 bag of sugar = **100 kg**

No. of bags = **83**

Total weight =  $100 \times 83 = \text{8300 kg}$

8. No. of minutes in an hour = **60**

No. of hours = **24**

Total minutes =  $60 \times 24 = \text{1440}$

9. No. of watches in a box = **178**

No. of boxes = **28**

Total no. of watches =  $178 \times 28 = \text{4984}$

10. No. of persons = ₹ **715**

Each person paid = ₹ **12**

Money spent = ₹  $715 \times ₹ 12 = ₹ 8580$

11. No. kiwis in a box = ₹ **125**

No. of boxes = ₹ **35**

Total no of kiwis = ₹  $125 \times ₹ 35 = ₹ 4375$

## Page 68

12. Cost of movie ticket = ₹ **250**

No. of children = ₹ **26**

Total money paid = ₹  $250 \times ₹ 26 = ₹ 6500$

13. Cost of an LED TV = ₹ **3550**

No. of LED TV's = ₹ **4**

Total cost = ₹  $3550 \times ₹ 4 = ₹ 14200$

14. No. of students = ₹ **1526**

Amount paid by each student = ₹ **5**

Total amount paid = ₹  $1526 \times ₹ 5 = ₹ 7630$

15. No. of bananas a in a basket = **32**

No. of baskets = ₹ **75**

Total no. of bananas =  $32 \times 75 = ₹ 2400$

16. Distance travelled in an hour = **2385 km**

No. of hours = **2**

Total distance travelled =  $2385 \text{ km} \times 2 = ₹ 4770 \text{ km}$

## Chapter 7

### Page 73

1. (a)  $59 \div 4$

$$\begin{array}{r} 4 ) 5 9 ( 1 0 \\ \underline{- 4} \\ 1 9 \\ \underline{- 1 6} \\ 3 \end{array}$$

(b)  $46 \div 3$

$$\begin{array}{r} 3 ) 4 6 ( 1 5 \\ \underline{- 3} \\ 1 6 \\ \underline{- 1 5} \\ 1 \end{array}$$

(c)  $42 \div 5$

$$\begin{array}{r} 5 ) 4 2 ( 8 \\ \underline{- 4 0} \\ 2 \end{array}$$

**Q = 14, R = 3**

**Q = 15, R = 1**

**Q = 8, R = 2**

(d)  $55 \div 2$

$$\begin{array}{r} 27 \\ 2 \overline{)5\ 5} \\ -4 \\ \hline 15 \\ -14 \\ \hline 1 \end{array}$$

(e)  $38 \div 6$

$$\begin{array}{r} 6 \\ 6 \overline{)3\ 8} \\ -36 \\ \hline 2 \end{array}$$

(f)  $43 \div 7$

$$\begin{array}{r} 6 \\ 7 \overline{)4\ 3} \\ -42 \\ \hline 1 \end{array}$$

**Q = 27, R = 1**

**Q = 6, R = 2**

**Q = 6, R = 1**

(g)  $96 \div 9$

$$\begin{array}{r} 10 \\ 9 \overline{)9\ 6} \\ -9 \\ \hline 06 \\ -9 \\ \hline 06 \\ -9 \\ \hline 0 \end{array}$$

(h)  $73 \div 7$

$$\begin{array}{r} 10 \\ 7 \overline{)7\ 3} \\ -7 \\ \hline 03 \\ -7 \\ \hline 0 \end{array}$$

(i)  $57 \div 8$

$$\begin{array}{r} 7 \\ 8 \overline{)5\ 7} \\ -56 \\ \hline 1 \end{array}$$

**Q = 10, R = 6**

**Q = 10, R = 3**

**Q = 7, R = 1**

2. (a)  $963 \div 3$

$$\begin{array}{r} 321 \\ 3 \overline{)9\ 6\ 3} \\ -9 \\ \hline 06 \\ -6 \\ \hline 03 \\ -6 \\ \hline 3 \\ \hline 0 \end{array}$$

(b)  $244 \div 4$

$$\begin{array}{r} 61 \\ 4 \overline{)2\ 4\ 4} \\ -24 \\ \hline 04 \\ -4 \\ \hline 0 \end{array}$$

(f)  $255 \div 5$

$$\begin{array}{r} 51 \\ 5 \overline{)2\ 5\ 5} \\ -25 \\ \hline 05 \\ -5 \\ \hline 0 \end{array}$$

(d)  $693 \div 3$

$$\begin{array}{r} 231 \\ 3 \overline{)6\ 9\ 3} \\ -6 \\ \hline 09 \\ -9 \\ \hline 03 \\ -3 \\ \hline 0 \end{array}$$

(e)  $525 \div 5$

$$\begin{array}{r} 105 \\ 5 \overline{)5\ 2\ 5} \\ -5 \\ \hline 025 \\ -25 \\ \hline 0 \end{array}$$

(f)  $666 \div 6$

$$\begin{array}{r} 111 \\ 6 \overline{)6\ 6\ 6} \\ -6 \\ \hline 06 \\ -6 \\ \hline 0 \end{array}$$

3. (a)  $500 - 50 = 450 - 50 = 400 - 50 = 350 - 50 =$

$300 - 50 = 250 - 50 = 200 - 50 = 150 - 50 =$

$100 - 50 = 50 - 50 = 0$  **10**

(b)  $81 - 9 = 72 - 9 = 63 - 9 = 54 - 9 = 45 - 9 = 36 - 9$

$= 27 - 9 = 18 - 6 = 9 - 6 = 0$  **9**

$$(c) \quad 72 - 6 = 66 - 6 = 60 - 6 = 54 - 6 = 48 - 6 = 42 - 6 = 36 - 6 = \\ = 30 - 6 = 24 - 6 = 18 - 6 = 12 - 6 = 6 - 6 = 0 \boxed{12}$$

(d)  $25 - 5 = 20 - 5 = 15 - 5 = 10 - 5 = 5 - 5 = 0$  **5**

(e)  $80 - 8 = 72 - 8 = 64 - 8 = 56 - 8 = 48 - 8 = 40 - 8 =$   
 $= 32 - 8 = 24 - 8 = 16 - 8 = 8 - 8 = 0$  **10**

(f)  $56 - 7 = 49 - 7 = 42 - 7 = 35 - 7 = 28 - 7 = 21 - 7 = 14 - 7 = 7 - 7 = 0$  **8**



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$$1. \quad (a) \quad \begin{array}{r} \overline{5)5\ 0\ 0\ (100} \\ \underline{5} \\ \underline{\underline{0\ 0}} \end{array}$$

$$\begin{aligned}\text{Dividend} &= (\text{Divisor} \times \text{Quotient}) + \text{Remainder} \\ &= (5 \times 100) + 0 \\ &= 500 + 0 = \mathbf{500}\end{aligned}$$

$$\begin{array}{r}
 \text{(b)} \\
 \overline{9) \quad 8\ 4\ 8} \quad (432 \\
 - 8 \\
 \hline
 0\ 4 \\
 - 4 \\
 \hline
 0\ 8 \\
 - 8 \\
 \hline
 0
 \end{array}$$

$$(c) \begin{array}{r} 8\overline{)480(60} \\ 48 \\ \hline 00 \end{array}$$

$$\begin{aligned}\text{Dividend} &= (4 \times 212) + 0 \\ &= 848 + 0 \\ &= \mathbf{848}\end{aligned}$$

$$\begin{aligned}\text{Dividend} &= (8 \times 60) + 0 \\ &= 480 + 0 \\ &= \mathbf{480}\end{aligned}$$

(d)

$$\begin{array}{r} 4) \overline{1\ 4\ 2\ 4} (356 \\ 12 \\ \hline 22 \\ 20 \\ \hline 24 \\ 24 \\ \hline 0 \end{array}$$

Dividend =  $(4 \times 356) + 0$   
**= 1424**

(e)

$$\begin{array}{r} 4) \overline{1\ 6\ 0\ 0} (400 \\ 16 \\ \hline 000 \end{array}$$

Dividend =  $(4 \times 400) + 0$   
 $= 1600 + 0$   
**= 1600**

(f)

$$\begin{array}{r} 5) \overline{1\ 5\ 6\ 0} (312 \\ -15 \\ \hline 06 \\ -5 \\ \hline 10 \\ -10 \\ \hline 0 \end{array}$$

Dividend =  $(5 \times 312) + 0$   
 $= 1560 + 0$   
**= 1560**

(g)

$$\begin{array}{r} 7) \overline{2\ 1\ 0\ 7} (301 \\ 21 \\ \hline 007 \\ -7 \\ \hline 0 \end{array}$$

Dividend =  $(7 \times 301) + 0$   
 $= 2107 + 0$   
**= 2107**

(h)

$$\begin{array}{r} 6) \overline{3\ 6\ 1\ 2} (602 \\ 36 \\ \hline 012 \\ -12 \\ \hline 0 \end{array}$$

Dividend =  $(6 \times 602) + 0$   
 $= 3612 + 0$   
**= 3612**

(i)

$$\begin{array}{r} 9) \overline{8\ 1\ 0\ 9} (901 \\ -81 \\ \hline 009 \\ -9 \\ \hline 0 \end{array}$$

Dividend =  $(9 \times 901) + 0$   
 $= 8109 + 0$   
**= 8109**

(j) 
$$\begin{array}{r} 2 ) 4 0 0 2 ( 2001 \\ - 4 \\ \hline 0 0 0 2 \\ - 2 \\ \hline 0 \end{array}$$

(k) 
$$\begin{array}{r} 9 ) 3 8 8 8 ( 432 \\ - 3 6 \\ \hline 2 8 \\ - 2 7 \\ \hline 1 8 \\ - 1 8 \\ \hline 0 \end{array}$$

$$\begin{aligned}\text{Dividend} &= (2 \times 2001) + 0 \\ &= 4002 + 0 \\ &= \mathbf{4002}\end{aligned}$$

$$\begin{aligned}\text{Dividend} &= (9 \times 432) + 0 \\ &= 3888 + 0 \\ &= \mathbf{3888}\end{aligned}$$

(l) 
$$\begin{array}{r} 5 ) 2 4 9 5 ( 499 \\ - 2 0 \\ \hline 4 9 \\ - 4 5 \\ \hline 4 5 \\ - 4 5 \\ \hline 0 \end{array}$$

$$\begin{aligned}\text{Dividend} &= (5 \times 499) + 0 \\ &= 2495 + 0 \\ &= \mathbf{2495}\end{aligned}$$

**Divide the following. Write the quotient and remainder in each case :**

2. (a) 
$$\begin{array}{r} 5 ) 1 3 2 5 ( 265 \\ - 1 0 \\ \hline 3 2 \\ - 3 0 \\ \hline 2 5 \\ - 2 5 \\ \hline 0 \end{array}$$

(b) 
$$\begin{array}{r} 15 ) 2 4 5 ( 16 \\ \quad 1 5 \\ \hline 9 5 \\ - 9 0 \\ \hline 5 \end{array}$$

$$\mathbf{Q = 265, R = 0}$$

$$\mathbf{Q = 16, R = 5}$$

(c) 
$$\begin{array}{r} 15 ) 4 0 5 ( 27 \\ - 3 0 \\ \hline 1 0 5 \\ - 1 0 5 \\ \hline 0 \end{array}$$

(d) 
$$\begin{array}{r} 12 ) 4 8 8 ( 40 \\ - 4 8 \\ \hline 0 8 \end{array}$$

$$\mathbf{Q = 27, R = 0}$$

$$\mathbf{Q = 40, R = 8}$$

$$(e) \begin{array}{r} 192 \\ 18 \\ \hline 12 \end{array}$$

**Q = 10, R = 12**

$$(g) \begin{array}{r} 2010 \\ 14 \\ \hline 61 \\ - 56 \\ \hline 50 \\ - 42 \\ \hline 8 \end{array}$$

**Q = 143, R = 8**

$$(i) \begin{array}{r} 702 \\ 8 \\ \hline 64 \\ \hline 62 \\ - 56 \\ \hline 6 \end{array}$$

**Q = 87, R = 0**

$$(k) \begin{array}{r} 3839 \\ 19 \\ \hline 38 \\ \hline 039 \\ - 38 \\ \hline 1 \end{array}$$

3. (a)

$$\begin{array}{r} 2486 \\ 7 \\ \hline 21 \\ \hline 38 \\ - 35 \\ \hline 36 \\ - 35 \\ \hline 1 \end{array}$$

$$(f) \begin{array}{r} 122 \\ 16 \\ \hline 112 \\ \hline 0 \end{array}$$

**Q = 7, R = 0**

$$(h) \begin{array}{r} 243 \\ 19 \\ \hline 53 \\ - 38 \\ \hline 15 \end{array}$$

**Q = 12, R = 15**

$$(j) \begin{array}{r} 1664 \\ 16 \\ \hline 064 \\ \hline 64 \\ \hline 0 \end{array}$$

**Q = 104, R = 0**

$$(l) \begin{array}{r} 2828 \\ 13 \\ \hline 26 \\ \hline 22 \\ \hline 13 \\ \hline 88 \\ - 78 \\ \hline 10 \end{array}$$

**Q = 216, R = 10**

$$(b) \begin{array}{r} 446 \\ 5 \\ \hline 40 \\ \hline 46 \\ - 45 \\ \hline 1 \end{array}$$

$$Q = 355, R = 1$$

(c)

$$\begin{array}{r} 524 \\ \times 6 \\ \hline 3144 \\ -48 \\ \hline 44 \\ -42 \\ \hline 2 \end{array}$$

$$Q = 87, R = 2$$

$$Q = 89, R = 1$$

(d)

$$\begin{array}{r} 6348 \\ \times 3 \\ \hline 18 \\ -18 \\ \hline 0 \end{array}$$

$$Q = 2116, R = 0$$

(e)

$$\begin{array}{r} 499 \\ \times 7 \\ \hline 349 \\ -49 \\ \hline 09 \\ -7 \\ \hline 2 \end{array}$$

$$Q = 71, R = 2$$

(f)

$$\begin{array}{r} 700 \\ \times 9 \\ \hline 63 \\ -63 \\ \hline 7 \end{array}$$

$$Q = 77, R = 7$$

Page 77

Fill in the blanks :

1. (a)

$$\begin{array}{r} 3215 \\ \times 2 \\ \hline 12 \\ -12 \\ \hline 015 \\ -14 \\ \hline 1 \end{array}$$

$$Q = 1607, R = 1$$

(b)

$$\begin{array}{r} 7483 \\ \times 6 \\ \hline 14 \\ -12 \\ \hline 28 \\ -24 \\ \hline 43 \\ -42 \\ \hline 1 \end{array}$$

$$Q = 1247, R = 1$$

$$(c) \begin{array}{r} 5\ 4\ 3 \\ 9 ) \quad \quad \quad ( 60 \\ - 5\ 4 \\ \hline 0\ 3 \end{array}$$

**Q = 60, R = 3**

$$(d) \begin{array}{r} 8\ 1\ 9 \\ 5 ) \quad \quad \quad ( 163 \\ - 5 \\ \hline 3\ 1 \\ - 3\ 0 \\ \hline 1\ 9 \\ - 1\ 5 \\ \hline 4 \end{array}$$

**Q = 163, R = 4**

$$(e) \begin{array}{r} 9\ 7\ 4\ 6 \\ 6 ) \quad \quad \quad ( 1624 \\ - 6 \\ \hline 3\ 7 \\ - 3\ 6 \\ \hline 1\ 4 \\ - 1\ 2 \\ \hline 2\ 6 \\ - 2\ 4 \\ \hline 2 \end{array}$$

**Q = 1624, R = 2**

## Page 78

1. Total amount = ₹ 200  
 No. of boxes = 4  
 Share of each = ₹ 50

$$4) \begin{array}{r} 2\ 0\ 0 \\ - 2\ 0 \\ \hline 0 \end{array} ( 50$$

2. Total amount = ₹ 144  
 Cost of each pen = ₹ 4  
 No. of pens = 36

$$4) \begin{array}{r} 1\ 4\ 4 \\ - 1\ 2 \\ \hline 2\ 4 \\ - 2\ 4 \\ \hline 0 \end{array} ( 36$$

3. Total no. of children = **798**

No. of rooms = **11**

∴ No. of children in each room = **14**

No. of children left out = **0**

$$11) \overline{)798} \quad (14$$

$$\begin{array}{r} -7 \\ \hline 9 \end{array}$$

$$\begin{array}{r} -7 \\ \hline 28 \end{array}$$

$$\begin{array}{r} -28 \\ \hline 0 \end{array}$$

4. Total no. of coins = **695**

No. of students = **6**

∴ Each one gets = ₹ **115**

No. of coins left = **5**

$$6) \overline{)695} \quad (115$$

$$\begin{array}{r} -6 \\ \hline 9 \end{array}$$

$$\begin{array}{r} -6 \\ \hline 35 \end{array}$$

$$\begin{array}{r} -30 \\ \hline 5 \end{array}$$

5. No. of comic books = **954**

No. of shelves = **17**

∴ No. of books left = ₹ **2**

$$17) \overline{)954} \quad (56$$

$$\begin{array}{r} -85 \\ \hline 104 \end{array}$$

$$\begin{array}{r} -102 \\ \hline 2 \end{array}$$

6. No. of blue pens = **500**

No. of children = **50**

∴ Each one gets = ₹ **10 pens**

$$50) \overline{)500} \quad (10$$

$$\begin{array}{r} -50 \\ \hline 0 \end{array}$$

7. Total no. of pens = **530**

No. of pencil boxes = **18**

∴ Each pencil box have = ₹ **29 pens**

No. of pens left = **8**

$$18) \overline{)530} \quad (29$$

$$\begin{array}{r} -36 \\ \hline 170 \end{array}$$

$$\begin{array}{r} -162 \\ \hline 8 \end{array}$$

8. Total no. of capsules = **168**

Strips of capsules = **8**

∴ No. of strips to be bought = **21**

$$\begin{array}{r} 8 ) 168 \quad (21 \\ -16 \\ \hline 08 \\ -8 \\ \hline 0 \end{array}$$

9. Total no. of people = **165**

No. of buses = **3**

∴ No. of people carried in a bus = **55**

$$\begin{array}{r} 3 ) 165 \quad (55 \\ -15 \\ \hline 15 \\ -15 \\ \hline 0 \end{array}$$

10. Total no. of flags = **392**

No. of schools = **7**

∴ No. of flags given to each school = **56**

$$\begin{array}{r} 7 ) 392 \quad (56 \\ -35 \\ \hline 42 \\ -42 \\ \hline 0 \end{array}$$

## Chapter 8

### Page 82

1. (a)  $\frac{1}{3}$

(b)  $\frac{3}{9}$

(c)  $\frac{1}{4}$

(d)  $\frac{2}{8}$

### Page 83

(e)  $\frac{1}{2}$

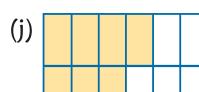
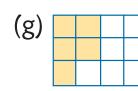
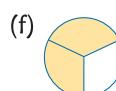
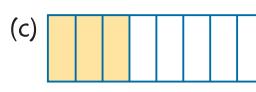
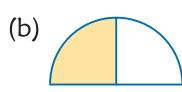
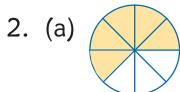
(f)  $\frac{4}{11}$

(g)  $\frac{1}{4}$

(h)  $\frac{1}{2}$

(i)  $\frac{2}{4}$

(j)  $\frac{6}{16}$



## Page 85

1. (a) Numerator = **2**, Denominator = **4**  
Two-fourths  
(b) Numerator = **6**, Denominator = **10**  
Six-tenths  
(c) Numerator = **7**, Denominator = **12**  
Seven-twelfths  
(d) Numerator = **8**, Denominator = **15**  
Eight-fifteenth  
(e) Numerator = **11**, Denominator = **17**  
Eleven-seventeenth  
2. (a)  $\frac{6}{7}$       (b)  $\frac{8}{16}$       (c)  $\frac{9}{19}$       (d)  $\frac{11}{25}$       (e)  $\frac{14}{23}$

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1. (a)  $\frac{2}{7}, \frac{3}{7}, \frac{5}{7}$       (b)  $\frac{1}{9}, \frac{7}{9}, \frac{8}{9}$   
(c)  $\frac{2}{3}, \frac{1}{3}, \frac{2}{3}$       (d)  $\frac{3}{17}, \frac{4}{17}, \frac{6}{17}, \frac{9}{17}$   
(e)  $\frac{7}{11}, \frac{5}{11}, \frac{6}{11}, \frac{9}{11}, \frac{1}{11}$       (f)  $\frac{1}{4}, \frac{2}{4}, \frac{9}{4}, \frac{2}{4}$
2. (a) <      (b) >      (c) >      (d) <  
(e) <      (f) <      (g) <      (h) <  
(i) <      (j) <      (k) >      (l) <  
(m) <      (n) >      (o) <      (p) <  
(q) >      (r) <      (s) >      (t) <

## Page 89

3. (a)  $\frac{1}{7}, \frac{2}{7}, \frac{3}{7}, \frac{4}{7}, \frac{5}{7}$       (b)  $\frac{1}{6}, \frac{2}{6}, \frac{3}{6}, \frac{4}{6}, \frac{5}{6}$   
(c)  $\frac{3}{17}, \frac{3}{11}, \frac{3}{7}, \frac{3}{5}, \frac{3}{4}$       (d)  $\frac{5}{11}, \frac{5}{9}, \frac{5}{8}, \frac{5}{7}, \frac{5}{6}$
4. (a)  $\frac{7}{8}, \frac{6}{8}, \frac{5}{8}, \frac{2}{8}, \frac{1}{8}$       (b)  $\frac{13}{15}, \frac{11}{15}, \frac{7}{15}, \frac{5}{15}, \frac{3}{15}, \frac{1}{15}$   
(c)  $\frac{2}{3}, \frac{2}{5}, \frac{2}{6}, \frac{2}{7}, \frac{2}{9}, \frac{2}{11}$       (d)  $\frac{4}{5}, \frac{4}{6}, \frac{4}{7}, \frac{4}{9}, \frac{4}{11}, \frac{4}{13}$

$$1. \text{ (a)} \frac{2}{3} + \frac{1}{3} = \frac{2+1}{3} = \frac{3}{3} = 1 \quad \text{ (b)} \frac{3}{3} + \frac{4}{5} = \frac{3+4}{5} = \frac{7}{5}$$

$$\text{(c)} \frac{4}{6} + \frac{5}{6} = \frac{4+5}{6} = \frac{9}{6}$$

$$\text{(d)} \frac{1}{13} + \frac{5}{13} = \frac{1+5}{13} = \frac{6}{13}$$

$$\text{(e)} \frac{2}{5} + \frac{3}{5} = \frac{2+3}{5} = \frac{5}{5} = 1$$

$$\text{(f)} \frac{1}{8} + \frac{2}{8} + \frac{5}{8} = \frac{1+2+5}{5} = \frac{8}{8} = 1$$

$$\text{(g)} \frac{6}{7} + \frac{5}{7} + \frac{3}{7} = \frac{6+5+3}{7} = \frac{14}{7} = 2$$

$$\text{(h)} \frac{1}{4} + \frac{2}{4} + \frac{3}{4} = \frac{1+2+3}{4} = \frac{6}{4} = \frac{3}{2}$$

$$\text{(i)} \frac{8}{9} + \frac{7}{9} + \frac{5}{9} = \frac{8+7+5}{9} = \frac{20}{9}$$

$$2. \text{ (a)} \frac{6}{7} - \frac{5}{7} = \frac{6-5}{7} = \frac{1}{7} \quad \text{ (b)} \frac{3}{4} - \frac{1}{4} = \frac{3-1}{4} = \frac{2}{4} = \frac{1}{2}$$

$$\text{(c)} \frac{4}{5} - \frac{1}{5} = \frac{4-1}{5} = \frac{3}{5} \quad \text{(d)} \frac{13}{17} - \frac{8}{17} = \frac{13-8}{17} =$$

$$\text{(e)} \frac{9}{21} - \frac{2}{21} = \frac{9-2}{17} = \frac{7}{21} = \frac{1}{3} \quad \text{(f)} \frac{8}{10} - \frac{5}{10} = \frac{8-5}{10} = \frac{3}{10}$$

$$\text{(g)} \frac{6}{7} - \frac{2}{7} = \frac{6-2}{7} = \frac{4}{7}$$

$$\text{(h)} \frac{13}{14} - \frac{6}{14} = \frac{13-6}{14} = \frac{7}{14} = \frac{1}{2} \quad \text{(i)} \frac{2}{29} - \frac{2}{29} = \frac{2-1}{29} = \frac{1}{29}$$

**MODEL TEST PAPER-II**

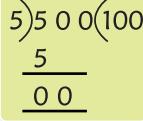
1. a.  $54 - 20 - 2 = 34 - 2 = 32$
- b.  $73 - 30 - 5 = 46 - 5 = 41$
- c.  $86 - 50 - 4 = 36 - 4 - 32$
- d.  $145 - 40 - 5 = 105 - 5 = 100$
- e.  $333 - 100 - 2 = 233 - 2 = 231$
- f.  $321 - 4 - 4 = 281 - 4 = 277$

|        |  |     |  |     |  |     |   |
|--------|--|-----|--|-----|--|-----|---|
| 2. (a) | $\begin{array}{r} 1 & 5 & 3 \\ +2 & 0 & 7 \\ \hline 3 & 6 & 0 \\ - & 6 & 4 \\ \hline 2 & 9 & 6 \end{array}$                                  | (b) | $\begin{array}{r} 2 & 6 & 1 \\ +5 & 1 & 0 \\ \hline 7 & 7 & 1 \\ -3 & 8 & 0 \\ \hline 3 & 9 & 1 \end{array}$                                 | (c) | $\begin{array}{r} 3 & 5 & 9 \\ +1 & 4 & 2 \\ \hline 5 & 0 & 1 \\ -2 & 6 & 3 \\ \hline 2 & 3 & 8 \end{array}$ | (d) | $\begin{array}{r} 2 & 1 & 9 \\ 1 & 5 & 3 \\ +1 & 0 & 3 \\ \hline 4 & 7 & 5 \\ -8 & 6 & \\ \hline 3 & 8 & 9 \end{array}$ |
| (e)    | $\begin{array}{r} 4 & 3 & 2 \\ +1 & 2 & 0 \\ \hline 5 & 5 & 2 \\ -2 & 5 & 4 \\ \hline 2 & 9 & 8 \\ -5 & 3 & \\ \hline 2 & 4 & 5 \end{array}$ | (f) | $\begin{array}{r} 7 & 0 & 8 \\ +1 & 3 & 4 \\ \hline 8 & 4 & 2 \\ -5 & 6 & 7 \\ \hline 2 & 7 & 5 \\ -9 & 3 & \\ \hline 1 & 8 & 2 \end{array}$ |     |  |     |   |
| 3. (a) | $\begin{array}{r} 3 & 4 & 6 & 2 \\ -1 & 2 & 4 & 0 \\ \hline 2 & 2 & 2 & 2 \end{array}$   | (b) | $\begin{array}{r} 3 & 5 & 1 & 4 \\ -2 & 3 & 1 & 0 \\ \hline 1 & 2 & 0 & 4 \end{array}$   | (c) | $\begin{array}{r} 4 & 5 & 9 & 1 \\ -2 & 0 & 3 & 0 \\ \hline 2 & 5 & 6 & 1 \end{array}$                       | (d) | $\begin{array}{r} 6 & 5 & 2 & 9 \\ -3 & 0 & 1 & 8 \\ \hline 3 & 5 & 1 & 1 \end{array}$                                  |
| (e)    | $\begin{array}{r} 2 & 9 & 5 & 4 \\ -1 & 4 & 1 & 2 \\ \hline 1 & 5 & 4 & 2 \end{array}$   | (f) | $\begin{array}{r} 7 & 5 & 2 & 8 \\ -3 & 2 & 1 & 4 \\ \hline 4 & 3 & 1 & 4 \end{array}$   | (g) | $\begin{array}{r} 1 & 9 & 9 & 9 \\ -1 & 5 & 0 & 4 \\ \hline 4 & 9 & 5 \end{array}$                           | (h) | $\begin{array}{r} 5 & 7 & 3 & 6 \\ -2 & 5 & 1 & 3 \\ \hline 3 & 2 & 2 & 3 \end{array}$                                  |
| (i)    | $\begin{array}{r} 4 & 7 & 6 & 9 \\ -3 & 7 & 2 & 5 \\ \hline 1 & 6 & 4 & 4 \end{array}$   |     |  |     |  |     |   |

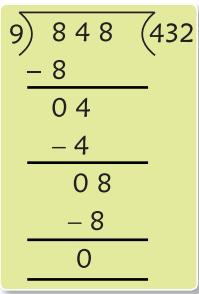
## Page 92

4. (a) 63 (b) 28 (c) 80 (d) 56 (e) 81 (f) 42

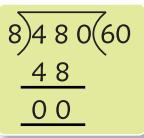
- |            |          |          |          |
|------------|----------|----------|----------|
| 5. (a) 370 | (b) 290  | (c) 750  | (d) 870  |
| (e) 9700   | (f) 6500 | (g) 3900 | (h) 4200 |
| (i) 6000   | (j) 5000 | (k) 740  | (l) 1380 |
| (m) 2280   | (n) 1750 | (o) 1830 | (p) 3950 |
| (q) 1940   | (r) 2880 | (s) 2740 | (t) 6780 |
| 6. (a) 5   | (b) 2    | (c) 81   | (d) 5    |
| (e) 4      | (f) 72   | (g) 9    | (h) 10   |
| (i) 5      | (g) 18   | (k) 6    | (l) 3    |
| (m) 7      | (n) 9    | (o) 9    | (p) 4    |
| (q) 6      | (r) 8    | (s) 8    | (t) 5    |
| (u) 2      |          |          |          |

7. (a) 

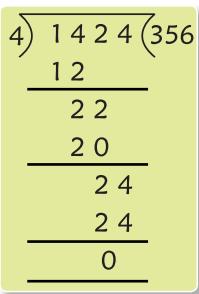
$$\begin{aligned}\text{Dividend} &= (\text{Divisor} \times \text{Quotient}) + \text{Remainder} \\ &= (5 \times 100) + 0 \\ &= 500 + 0 = \mathbf{500}\end{aligned}$$

(b) 

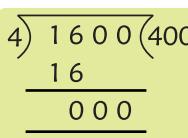
$$\begin{aligned}\text{Dividend} &= (4 \times 212) + 0 \\ &= 848 + 0 \\ &= \mathbf{848}\end{aligned}$$

(c) 

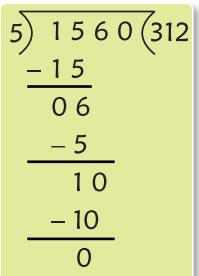
$$\begin{aligned}\text{Dividend} &= (8 \times 60) + 0 \\ &= 480 + 0 \\ &= \mathbf{480}\end{aligned}$$

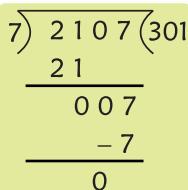
(d) 

$$\begin{aligned}\text{Dividend} &= (4 \times 356) + 0 \\ &= \mathbf{1424}\end{aligned}$$

(e) 

$$\begin{aligned}\text{Dividend} &= (4 \times 400) + 0 \\ &= 1600 + 0 \\ &= \mathbf{1600}\end{aligned}$$

(f) 

(g) 

$$\begin{aligned}\text{Dividend} &= (5 \times 312) + 0 \\ &= 1560 + 0 \\ &= \mathbf{1560}\end{aligned}$$

$$\begin{aligned}\text{Dividend} &= (7 \times 301) + 0 \\ &= 2107 + 0 \\ &= \mathbf{2107}\end{aligned}$$

(h)

$$\begin{array}{r} 6) \overline{)3\ 6\ 1\ 2} (602 \\ - 3\ 6 \\ \hline 0\ 1\ 2 \\ - 1\ 2 \\ \hline 0 \end{array}$$

(i)

$$\begin{array}{r} 9) \overline{)8\ 1\ 0\ 9} (901 \\ - 8\ 1 \\ \hline 0\ 0\ 9 \\ - 9 \\ \hline 0 \end{array}$$

$$\begin{aligned}\text{Dividend} &= (6 \times 602) + 0 \\ &= 3612 + 0 \\ &= \mathbf{3612}\end{aligned}$$

$$\begin{aligned}\text{Dividend} &= (9 \times 901) + 0 \\ &= 8109 + 0 \\ &= \mathbf{8109}\end{aligned}$$

(j)

$$\begin{array}{r} 2) \overline{)4\ 0\ 0\ 2} (2001 \\ - 4 \\ \hline 0\ 0\ 0\ 2 \\ - 2 \\ \hline 0 \end{array}$$

(k)

$$\begin{array}{r} 9) \overline{)3\ 8\ 8\ 8} (432 \\ - 3\ 6 \\ \hline 2\ 8 \\ - 2\ 7 \\ \hline 1\ 8 \\ - 1\ 8 \\ \hline 0 \end{array}$$

$$\begin{aligned}\text{Dividend} &= (2 \times 2001) + 0 \\ &= 4002 + 0 \\ &= \mathbf{4002}\end{aligned}$$

$$\begin{aligned}\text{Dividend} &= (9 \times 432) + 0 \\ &= 3888 + 0 \\ &= \mathbf{3888}\end{aligned}$$

(l)

$$\begin{array}{r} 5) \overline{)2\ 4\ 9\ 5} (499 \\ - 2\ 0 \\ \hline 4\ 9 \\ - 4\ 5 \\ \hline 4\ 5 \\ - 4\ 5 \\ \hline 0 \end{array}$$

$$\begin{aligned}\text{Dividend} &= (5 \times 499) + 0 \\ &= 2495 + 0 \\ &= \mathbf{2495}\end{aligned}$$

8. (a)  $\frac{1}{7}, \frac{2}{7}, \frac{3}{7}, \frac{4}{7}, \frac{5}{7}$

(b)  $\frac{1}{6}, \frac{2}{6}, \frac{3}{6}, \frac{4}{6}, \frac{5}{6}$

$$(c) \frac{3}{11}, \frac{3}{7}, \frac{3}{5}, \frac{3}{4}, \frac{3}{3}$$

$$(d) \frac{5}{11}, \frac{5}{9}, \frac{5}{8}, \frac{5}{7}, \frac{5}{6}$$

## Chapter 9

### Page 95

1. (a)  $18 m\ 26 cm = (18 \times 100) cm + 26 cm$   
 $= 1800 cm + 26 cm = 1826 cm$
  - (b)  $8 m\ 9 cm = (8 \times 100) cm + 9 cm$   
 $= 800 cm + 9 cm = 809 cm$
  - (c)  $9 m\ 90 cm = (9 \times 100) cm + 9 cm$   
 $= 900 cm + 90 cm = 990 cm$
  - (d)  $5 m\ 5 cm = (5 \times 100) cm + 5 cm$   
 $= 500 cm + 5 cm = 505 cm$
  - (e)  $6 m\ 75 cm = (6 \times 100) cm + 75 cm$   
 $= 600 cm + 75 cm = 675 cm$
  - (f)  $3 m\ 20 cm = (3 \times 100) cm + 20 cm$   
 $= 300 cm + 20 cm = 320 cm$
2. (a)  $17 m = (17 \times 100) cm = 1700 cm$
  - (b)  $8 m = (8 \times 100) cm = 800 cm$
  - (c)  $12 m = (12 \times 100) cm = 1200 cm$
  - (d)  $10 m = (10 \times 100) cm = 1000 cm$
  - (e)  $4 m = (4 \times 100) cm = 400 cm$
  - (f)  $11 m = (11 \times 100) cm = 1100 cm$

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3. (a)  $700 m = (700 \div 100) = 7 m$
- (b)  $1400 m = (1400 \div 100) = 14 m$
- (c)  $800 m = (800 \div 100) = 8 m$
- (d)  $600 m = (600 \div 100) = 6 m$
- (e)  $1000 m = (1000 \div 100) = 10 m$
- (f)  $2200 m = (2200 \div 100) = 22 m$

1. (a) cm (b) m (c) km (d) m (e) km (f) cm



## Page 105

- |               |            |              |
|---------------|------------|--------------|
| 1. (a) Cuboid | (b) Cube   | (c) Cylinder |
| (d) Sphere    | (e) Cuboid | (f) Cylinder |
| (g) Cone      | (h) Cube   |              |
| 2. (a) True   | (b) False  | (c) True     |
| (d) True      | (e) True   |              |

## Page 107

- |          |       |       |
|----------|-------|-------|
| 1. (a) ✓ | (b) ✓ | (c) ✗ |
| (d) ✓    | (e) ✗ | (f) ✓ |
| (g) ✓    | (h) ✗ |       |
| 2. (a)   | (b)   | (c)   |
|          |       |       |
|          |       |       |

## Chapter 11

### Page 109

- |        |  |     |  |
|--------|--|-----|--|
| 1. (a) |  | (b) |  |
| (c)    |  | (d) |  |

## **MODEL TEST PAPER-III**

1. (a)  $18\text{ m }26\text{ cm} = (18 \times 100)\text{ cm} + 26\text{ cm}$   
 $= 1800\text{ cm} + 26\text{ cm} = 1826\text{ cm}$

(b)  $8\text{ m }9\text{ cm} = (8 \times 100)\text{ cm} + 9\text{ cm}$   
 $= 800\text{ cm} + 9\text{ cm} = 809\text{ cm}$

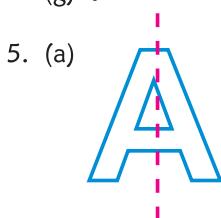
(c)  $9\text{ m }90\text{ cm} = (9 \times 100)\text{ cm} + 9\text{ cm}$   
 $= 900\text{ cm} + 90\text{ cm} = 990\text{ cm}$

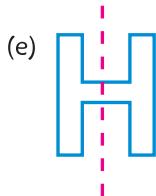
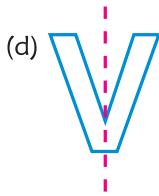
(d)  $5\text{ m }5\text{ cm} = (5 \times 100)\text{ cm} + 5\text{ cm}$   
 $= 500\text{ cm} + 5\text{ cm} = 505\text{ cm}$

(e)  $6\text{ m }75\text{ cm} = (6 \times 100)\text{ cm} + 75\text{ cm}$   
 $= 600\text{ cm} + 75\text{ cm} = 675\text{ cm}$

(f)  $3\text{ m }20\text{ cm} = (3 \times 100)\text{ cm} + 20\text{ cm}$   
 $= 300\text{ cm} + 20\text{ cm} = 320\text{ cm}$

- |             |           |          |
|-------------|-----------|----------|
| 2. (a) True | (b) False | (c) True |
| (d) True    | (e) True  |          |
| 3. (a) 20   | (b) 54    | (c) 154  |
| (d) 30      | (e) 75    |          |
| 4. (a) ✓    | (b) ✓     | (c) ✗    |
| (d) ✓       | (e) ✗     | (f) ✓    |
| (g) ✓       | (h) ✗     |          |





6. (a) 4, 4

(b) equal

(c) 3, 3

(d) no

(e) equal

7. (a)  $4l = (4 \times 1000)$  ml = 4000 ml

$$\begin{aligned} \text{(b)} \quad & 2l \ 450 \text{ ml} = (2 \times 1000) \text{ ml} + 450 \text{ ml} \\ & = 2000 \text{ ml} + 450 \text{ ml} = 2450 \text{ ml} \end{aligned}$$

$$\text{(c)} \quad 7592 \text{ ml} = 7l \ 592 \text{ ml}$$

$$\text{(d)} \quad 5765 \text{ ml} = 5l \ 765 \text{ ml}$$

8. (a) cm

(b) m

(c) km

(d) m

(e) km

(f) cm

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1. (a) 25

(b) 1

(c) 1

(d) 30

(e) 6 hours

2. (a)



(b)



(c)



(c)



3. (a) 30 minutes

(b) 15 minutes

(c) 45 minutes

4. (a) (v)

(b) (iii)

(c) (iv)

(d) (i)

(e) (ii)

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1. (a) 8 : 00

(b) 5 : 35

(c) 4 : 45

(d) 11 : 30

2. (a) 2 hours

(b) 3 hours

(c) 30 minutes

(d) 30 minutes

3. (a) 12 months

(b) 7 months

(c) 366 days

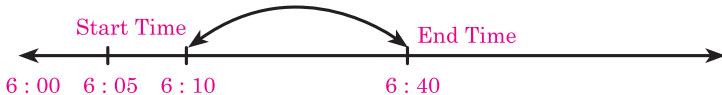
## Page 120

(d) 31 days

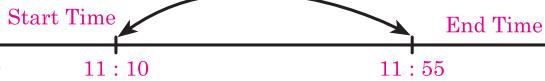
(e) February

(f) December

4. (a)



(b) 11 : 00      11 : 10      11 : 55



5. Do it yourself.

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- |  |           |                    |        |           |   |           |               |       |            |   |          |            |       |           |  |
|--|-----------|--------------------|--------|-----------|---|-----------|---------------|-------|------------|---|----------|------------|-------|-----------|--|
| 1. (a) 2   | (b) 25    | (c) 10             | (d) 10 |           |   |           |               |       |            |   |          |            |       |           |  |
| 2. (a) ₹20 + ₹5 + ₹1   |           | (b) ₹20 + ₹10 + ₹2 |        |           |   |           |               |       |            |   |          |            |       |           |  |
| 3. (a) <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td>25 rupees</td></tr><tr><td>+ 62 rupees</td></tr><tr><td>—————</td></tr><tr><td>87 rupees</td></tr></table> | 25 rupees | + 62 rupees        | —————  | 87 rupees | (b) <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td>86 rupees</td></tr><tr><td>+ 64 rupees</td></tr><tr><td>—————</td></tr><tr><td>150 rupees</td></tr></table>  | 86 rupees | + 64 rupees   | ————— | 150 rupees | (c) <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td>82 paise</td></tr><tr><td>+ 57 paise</td></tr><tr><td>—————</td></tr><tr><td>139 paise</td></tr></table> | 82 paise | + 57 paise | ————— | 139 paise |  |
| 25 rupees  |           |                    |        |           |   |           |               |       |            |   |          |            |       |           |  |
| + 62 rupees  |           |                    |        |           |   |           |               |       |            |   |          |            |       |           |  |
| —————  |           |                    |        |           |   |           |               |       |            |   |          |            |       |           |  |
| 87 rupees  |           |                    |        |           |   |           |               |       |            |   |          |            |       |           |  |
| 86 rupees  |           |                    |        |           |   |           |               |       |            |   |          |            |       |           |  |
| + 64 rupees  |           |                    |        |           |   |           |               |       |            |   |          |            |       |           |  |
| —————  |           |                    |        |           |   |           |               |       |            |   |          |            |       |           |  |
| 150 rupees   |           |                    |        |           |   |           |               |       |            |   |          |            |       |           |  |
| 82 paise   |           |                    |        |           |   |           |               |       |            |   |          |            |       |           |  |
| + 57 paise   |           |                    |        |           |   |           |               |       |            |   |          |            |       |           |  |
| —————  |           |                    |        |           |   |           |               |       |            |   |          |            |       |           |  |
| 139 paise  |           |                    |        |           |   |           |               |       |            |   |          |            |       |           |  |
| 4. (a) <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td>74 rupees</td></tr><tr><td>- 44 rupees</td></tr><tr><td>—————</td></tr><tr><td>30 rupees</td></tr></table> | 74 rupees | - 44 rupees        | —————  | 30 rupees | (b) <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td>93 rupees</td></tr><tr><td>0 - 28 rupees</td></tr><tr><td>—————</td></tr><tr><td>65 rupees</td></tr></table> | 93 rupees | 0 - 28 rupees | ————— | 65 rupees  | (c) <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td>80 paise</td></tr><tr><td>- 60 paise</td></tr><tr><td>—————</td></tr><tr><td>20 paise</td></tr></table>  | 80 paise | - 60 paise | ————— | 20 paise  |  |
| 74 rupees  |           |                    |        |           |   |           |               |       |            |   |          |            |       |           |  |
| - 44 rupees  |           |                    |        |           |   |           |               |       |            |   |          |            |       |           |  |
| —————  |           |                    |        |           |   |           |               |       |            |   |          |            |       |           |  |
| 30 rupees  |           |                    |        |           |   |           |               |       |            |   |          |            |       |           |  |
| 93 rupees  |           |                    |        |           |   |           |               |       |            |   |          |            |       |           |  |
| 0 - 28 rupees  |           |                    |        |           |   |           |               |       |            |   |          |            |       |           |  |
| —————  |           |                    |        |           |   |           |               |       |            |   |          |            |       |           |  |
| 65 rupees  |           |                    |        |           |   |           |               |       |            |   |          |            |       |           |  |
| 80 paise   |           |                    |        |           |   |           |               |       |            |   |          |            |       |           |  |
| - 60 paise   |           |                    |        |           |   |           |               |       |            |   |          |            |       |           |  |
| —————  |           |                    |        |           |   |           |               |       |            |   |          |            |       |           |  |
| 20 paise   |           |                    |        |           |   |           |               |       |            |   |          |            |       |           |  |

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Write in the short form :

- |              |              |              |
|--------------|--------------|--------------|
| (a) ₹ 5.50   | (b) ₹ 2.00   | (c) ₹ 40.50  |
| (d) ₹ 100.50 | (e) ₹ 75.85  | (f) ₹ 10.05  |
| (g) ₹ 0.80   | (h) ₹ 0.99   | (i) ₹ 205.30 |
| (j) ₹ 500.60 | (k) ₹ 200.50 | (l) ₹ 1      |

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1. (a) ₹ 4 =  $(4 \times 100)$  paise = 400 paise
  - (b) ₹ 6 =  $(6 \times 100)$  paise = 600 paise
  - (c) ₹ 8 =  $(8 \times 100)$  paise = 800 paise
  - (d) ₹ 15 =  $(15 \times 100)$  paise = 1500 paise
  - (e) ₹ 14 =  $(14 \times 100)$  paise = 1400 paise
  - (f) ₹ 20 =  $(20 \times 100)$  paise = 2000 paise
2. (a) ₹ 5 =  $(5 \times 100)$  paise = 500 paise

(b) ₹ 2.20 =  $(2 \times 100)$  paise + 20 paise  
                  = 200 paise + 20 paise = 220 paise

(c) ₹ 7.75 =  $(7 \times 100)$  paise + 75 paise  
                  = 700 paise + 75 paise = 775 paise

(d) ₹ 8.50 =  $(8 \times 100)$  paise + 50 paise  
                  = 800 paise + 50 paise = 850 paise

(e) ₹ 95.20 =  $(95 \times 100)$  paise + 05 paise  
                  = 9500 paise + 05 paise = 9505 paise

(f) ₹ 15.50 =  $(15 \times 100)$  paise = 50 paise  
                  = 1500 paise + 50 paise  
                  = 1550 paise



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$$1. \text{ (a)} \quad \begin{array}{r} \text{₹ } 15.10 \\ + \text{₹ } 21.80 \\ \hline \text{₹ } 36.90 \end{array}$$

$$\begin{array}{r}
 (b) \quad \text{₹ } 31.15 \\
 + \text{ ₹ } 17.22 \\
 \hline
 \text{₹ } 48.37
 \end{array}$$

$$(c) \begin{array}{r} \text{₹ } 15.40 \\ + \text{₹ } 22.55 \\ \hline \text{₹ } 37.95 \end{array}$$

$$\begin{array}{r}
 (d) \quad \text{₹ } 47.34 \\
 + \text{ ₹ } 12.10 \\
 \hline
 \text{₹ } 59.44
 \end{array}$$

$$\begin{array}{r}
 (e) \quad \text{₹} 26 . 80 \\
 + \text{₹} 18 . 40 \\
 \hline
 \text{₹} 45 . 20
 \end{array}$$

(f)

|             |
|-------------|
| ₹ 40 . 32   |
| ₹ 19 . 40   |
| + ₹ 27 . 55 |
| ₹ 87 . 27   |

2. (a) 

$$\begin{array}{r}
 (b) \quad \begin{array}{r} \text{₹} 57.69 \\ + \text{₹} 82.11 \\ \hline \text{₹} 139.80 \end{array}
 \end{array}$$

$$\begin{array}{r}
 (c) \quad \text{₹ } 55.30 \\
 + \text{₹ } 40.67 \\
 \hline
 \text{₹ } 95.97
 \end{array}$$

(d)

|             |     |     |
|-------------|-----|-----|
| ₹ 32 . 75   | (1) | (1) |
| + ₹ 59 . 36 |     |     |
| ₹ 92 . 11   |     |     |

|             |   |           |           |             |            |
|-------------|---|-----------|-----------|-------------|------------|
| (e)         | <table border="1"> <tbody> <tr> <td>₹ 40 . 35</td></tr> <tr> <td>₹ 57 . 28</td></tr> <tr> <td>+ ₹ 55 . 30</td></tr> <tr> <td>₹ 152 . 93</td></tr> </tbody> </table> | ₹ 40 . 35 | ₹ 57 . 28 | + ₹ 55 . 30 | ₹ 152 . 93 |
| ₹ 40 . 35   |   |           |           |             |            |
| ₹ 57 . 28   |   |           |           |             |            |
| + ₹ 55 . 30 |   |           |           |             |            |
| ₹ 152 . 93  |   |           |           |             |            |

$$\begin{array}{r}
 (f) \quad \text{₹ } 55.60 \\
 \text{₹ } 46.12 \\
 + \text{₹ } 24.75 \\
 \hline
 \text{₹ } 126.47
 \end{array}$$

$$\begin{array}{r}
 3. (a) \quad \boxed{\begin{array}{r} \text{₹ } 36.75 \\ - \text{₹ } 15.40 \\ \hline \text{₹ } 21.35 \end{array}}
 \end{array}$$

$$\begin{array}{r}
 (b) \quad \text{₹ } 48.55 \\
 - \text{ ₹ } 16.35 \\
 \hline
 \text{₹ } 32.20
 \end{array}$$

$$\begin{array}{r}
 (c) \quad \text{₹} \ 57.80 \\
 - \text{₹} \ 20.70 \\
 \hline
 \text{₹} \ 37.10
 \end{array}$$

(d)

|           |
|-----------|
| ₹ 78 . 50 |
| ₹ 45 . 40 |
| ₹ 33 . 10 |

(e)

|           |
|-----------|
| ₹ 55 . 60 |
| ₹ 36 . 85 |
| ₹ 18 . 75 |

(f)

|             |
|-------------|
| ₹ 115 . 35  |
| - ₹ 80 . 75 |
| ₹ 37 . 60   |

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4. (a)

|             |
|-------------|
| ₹ 98 . 83   |
| - ₹ 57 . 67 |
| ₹ 41 . 16   |

(b)

|             |
|-------------|
| ₹ 100 . 00  |
| - ₹ 40 . 50 |
| ₹ 59 . 50   |

(c)

|             |
|-------------|
| ₹ 105 . 48  |
| - ₹ 72 . 35 |
| ₹ 33 . 13   |

(d)

|             |
|-------------|
| ₹ 55 . 00   |
| - ₹ 16 . 55 |
| ₹ 38 . 45   |

### Page 127

1. (a)

|         |
|---------|
| ₹ 6 5   |
| × 4     |
| ₹ 2 6 0 |

(b)

|         |
|---------|
| ₹ 9 7   |
| × 3     |
| ₹ 2 9 1 |

(c)

|         |
|---------|
| ₹ 3 8 7 |
| × 2     |
| ₹ 7 7 4 |

(d)

|          |
|----------|
| ₹ 9. 5 0 |
| × 2      |
| ₹19.0 0  |

(e)

|          |
|----------|
| ₹ 42. 75 |
| × 4      |
| ₹171.00  |

(f)

|          |
|----------|
| ₹ 62. 84 |
| × 5      |
| ₹314.20  |

2. (a)

|         |
|---------|
| ₹ 8 3   |
| × 4     |
| ₹ 3 3 2 |

(b)

|         |
|---------|
| ₹ 1 0 9 |
| × 9     |
| ₹ 9 8 1 |

(c)

|          |
|----------|
| ₹10 . 55 |
| × 5      |
| ₹ 52.75  |

(d)

|          |
|----------|
| ₹46 . 75 |
| × 8      |
| ₹ 374.00 |

3. (a)

|              |
|--------------|
| 3 ) 9 3 ( 31 |
| - 9          |
| 0 3          |
| - 3          |
| 0            |

(b)

|                 |
|-----------------|
| 2 ) 4 9 6 ( 248 |
| - 4             |
| 0 9             |
| - 8             |
| 1 6             |
| - 1 6           |
| 0               |

(c)

|                |
|----------------|
| 5 ) 4 9 0 ( 98 |
| - 4 5          |
| 4 0            |
| - 4 0          |
| 0              |

**$93 \div 3 = 31$**

**$496 \div 2 = 248$**

**$490 \div 5 = 98$**

$$(d) \begin{array}{r} 8 ) 6 7 2 \\ - 6 4 \\ \hline 3 2 \\ - 3 2 \\ \hline 0 \end{array}$$

$$(e) \begin{array}{r} 9 ) 8 4 6 \\ - 8 1 \\ \hline 3 6 \\ - 3 6 \\ \hline 0 \end{array}$$

$$(f) \begin{array}{r} 6 ) 9 4 2 \\ - 6 \\ \hline 3 4 \\ - 3 0 \\ \hline 4 2 \\ - 4 2 \\ \hline 0 \end{array}$$

$$672 \div 8 = 84$$

$$846 \div 9 = 94$$

$$942 \div 6 = 157$$

## Page 128

1. (a)  $\begin{array}{r} \text{₹ } 38.50 \\ + \text{₹ } 33.75 \\ \hline \text{₹ } 55.25 \end{array}$

(b)  $\begin{array}{r} \text{₹ } 52.35 \\ + \text{₹ } 11.42 \\ \hline \text{₹ } 63.77 \end{array}$

(c)  $\begin{array}{r} \text{₹ } 68.04 \\ + \text{₹ } 105.25 \\ \hline \text{₹ } 173.29 \end{array}$

(d)  $\begin{array}{r} \text{₹ } 92.50 \\ \text{₹ } 66.10 \\ + \text{₹ } 84.40 \\ \hline \text{₹ } 243.00 \end{array}$

2. (a)  $\begin{array}{r} \text{₹ } 17.80 \\ - \text{₹ } 5.30 \\ \hline \text{₹ } 12.50 \end{array}$

(b)  $\begin{array}{r} \text{₹ } 39.90 \\ - \text{₹ } 18.45 \\ \hline \text{₹ } 21.45 \end{array}$

(c)  $\begin{array}{r} \text{₹ } 86.10 \\ - \text{₹ } 29.00 \\ \hline \text{₹ } 57.10 \end{array}$

(d)  $\begin{array}{r} \text{₹ } 804.55 \\ - \text{₹ } 45.15 \\ \hline \text{₹ } 759.40 \end{array}$

3. (a)  $\begin{array}{r} \text{₹ } 2 \ 1 \ 8 \\ \times 4 \\ \hline \text{₹ } 8 \ 7 \ 2 \end{array}$

(b)  $\begin{array}{r} \text{₹ } 25.70 \\ \times 5 \\ \hline \text{₹ } 128.50 \end{array}$

4. (a)  $\begin{array}{r} 4 ) 8 6 8 \\ - 8 \\ \hline 0 6 \\ - 4 \\ \hline 2 8 \\ 2 8 \\ \hline 0 \end{array}$

(b)  $\begin{array}{r} 7 ) 9 3 8 \\ - 7 \\ \hline 2 3 \\ - 2 1 \\ \hline 2 8 \\ 2 8 \\ \hline 0 \end{array}$

5. (a) Cost of bread = ₹ 14 . 50  
      Cost of butter = + ₹ 20 . 50  
      Total money spent = ₹ 35 . 00
- (b) Cost of potatoes = ₹ 12 . 50  
      Cost of tomatoes = ₹ 40 . 00  
      Cost of onions = + ₹ 20 . 00  
      Total money spent = ₹ 72 . 50
- (c) Total money = ₹ 56 . 50  
      Money given to sister = - ₹ 19 . 25  
      Money left = ₹ 37 . 25
- (d) No. of pairs of socks = 5  
      Cost of each pair = ₹ 20 . 25  
      Total cost = ₹ 20 . 75 × 5  
      = ₹ 103.75
- (e) No. of boxes = 8  
      Cost of each box of crayon = ₹ 45 . 25  
      Total cost = ₹ 45 . 25 × 8  
      = ₹ 362

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**Solve the following questions in your notebook :**

- (a) Cost of cake = ₹ 100  
      Cost of sweets = ₹ 490  
      Total money spent = ₹ 110 + ₹ 490  
      = ₹ 600
- (b) Cost of cello tape = ₹ 8 . 50  
      Cost of fancy papers = ₹ 14 . 90  
      Total money spent = ₹ 23 . 40
- (c) Total money with Achala = ₹ 55 . 20  
      Cost of notebook = ₹ 22 . 00  
      Money left = ₹ 33 . 20

- (d) Cost of 1 litre of petrol = ₹ 68.50  
No. of litres = 9  
Total cost = ₹ 68.50 × 9 = ₹ 616.50

(e) Total money = ₹ 938  
No. of labours = 7  
Each labourer get = ₹ 938 ÷ 7  
= ₹ 134

(f) Cost of 9 kg of rice = ₹ 873  
Cost of 1 kg of rice = ₹ 873 ÷ 9  
= ₹ 97

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## **MODEL TEST PAPER-IV**

## 1. How long will it take ?



**2. Write the time shown in the space provided :**



### **3. Write in the short form :**

- |              |              |              |
|--------------|--------------|--------------|
| (d) ₹ 100.50 | (e) ₹ 75.85  | (f) ₹ 10.05  |
| (g) ₹ 0.80   | (h) ₹ 0.99   | (i) ₹ 205.30 |
| (j) ₹ 500.60 | (k) ₹ 200.50 | (l) ₹ 1      |

**4. Convert into paise :**

- (a) ₹ 5 =  $(5 \times 100)$  paise = 500 paise
- (b) ₹ 2.20 =  $(2 \times 100)$  paise + 20 paise  
= 200 paise + 20 paise = 220 paise
- (c) ₹ 7.75 =  $(7 \times 100)$  paise + 75 paise  
= 700 paise + 75 paise = 775 paise
- (d) ₹ 8.50 =  $(8 \times 100)$  paise + 50 paise  
= 800 paise + 50 paise = 850 paise
- (e) ₹ 95.20 =  $(95 \times 100)$  paise + 05 paise  
= 9500 paise + 05 paise = 9505 paise
- (f) ₹ 15.50 =  $(15 \times 100)$  paise = 50 paise  
= 1500 paise + 50 paise  
= 1550 paise

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**5. In a pictograph, one  stands for 100 cars. To show 500 cars, we will draw:**

- (a) 5 cars

**6. Answer the following questions:**

- |                       |     |                  |
|-----------------------|-----|------------------|
| (a) Cost of bread     | =   | ₹ 14 . 50        |
| Cost of butter        | = + | ₹ 20 . 50        |
| Total money spent     | =   | <u>₹ 35 . 00</u> |
|                       |     |                  |
| (b) Cost of potatoes  | =   | ₹ 12 . 50        |
| Cost of tomatoes      | =   | ₹ 40 . 00        |
| Cost of onions        | = + | ₹ 20 . 00        |
| Total money spent     | =   | <u>₹ 72 . 50</u> |
|                       |     |                  |
| (c) Total money       | =   | ₹ 56 . 50        |
| Money given to sister | = - | ₹ 19 . 25        |
| Money left            | =   | <u>₹ 37 . 25</u> |

- (d) No. of pairs of socks = 5  
 Cost of each pair = ₹ 20 . 25  
 Total cost = ₹ 20 . 75 × 5  
 = ₹ 103.75
- (e) No. of boxes = 8  
 Cost of each box of crayon = ₹ 45 . 25  
 Total cost = ₹ 45 . 25 × 8  
 = ₹ 362

### 7. Add:

|        |   |     |   |     |  |
|--------|---|-----|---|-----|--|
| 1. (a) | $\begin{array}{r} \text{₹ } 15 . 10 \\ + \text{₹ } 21 . 80 \\ \hline \text{₹ } 36 . 90 \end{array}$ | (b) | $\begin{array}{r} \text{₹ } 31 . 15 \\ + \text{₹ } 17 . 22 \\ \hline \text{₹ } 48 . 37 \end{array}$ | (c) | $\begin{array}{r} \text{₹ } 15 . 40 \\ + \text{₹ } 22 . 55 \\ \hline \text{₹ } 37 . 95 \end{array}$                      |
| (d)    | $\begin{array}{r} \text{₹ } 47 . 34 \\ + \text{₹ } 12 . 10 \\ \hline \text{₹ } 59 . 44 \end{array}$ | (e) | $\begin{array}{r} \text{₹ } 26 . 80 \\ + \text{₹ } 18 . 40 \\ \hline \text{₹ } 45 . 20 \end{array}$ | (f) | $\begin{array}{r} \text{₹ } 40 . 32 \\ \text{₹ } 19 . 40 \\ + \text{₹ } 27 . 55 \\ \hline \text{₹ } 87 . 27 \end{array}$ |

### 8. Multiply:

|        |   |     |   |     |   |
|--------|---|-----|---|-----|---|
| 1. (a) | $\begin{array}{r} \text{₹ } 6 5 \\ \times 4 \\ \hline \text{₹ } 2 6 0 \end{array}$        | (b) | $\begin{array}{r} \text{₹ } 9 7 \\ \times 3 \\ \hline \text{₹ } 2 9 1 \end{array}$      | (c) | $\begin{array}{r} \text{₹ } 3 8 7 \\ \times 2 \\ \hline \text{₹ } 7 7 4 \end{array}$    |
| (d)    | $\begin{array}{r} \text{₹ } 9 . 5 0 \\ \times 2 \\ \hline \text{₹ } 19 . 0 0 \end{array}$ | (e) | $\begin{array}{r} \text{₹ } 42 . 75 \\ \times 4 \\ \hline \text{₹ } 171.00 \end{array}$ | (f) | $\begin{array}{r} \text{₹ } 62 . 84 \\ \times 5 \\ \hline \text{₹ } 314.20 \end{array}$ |