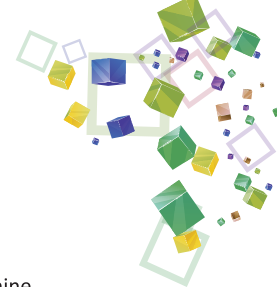


ANSWERS



CHAPTER-1

- (a) 7 (b) 7000 (c) 70 (d) 700
- (a) 6039 (b) 8655 (c) 9009 (d) 1569 (e) 7707 (f) 5607
- (a) Six thousand two hundred forty two (b) Eight thousand seven hundred fifty four (c) Two thousand nine hundred ninety nine
(d) Three thousand five hundred one (e) Seven thousand three hundred fifty eight (f) Nine thousand eight hundred ninety eight
- (a) 1028, 1092, 1105, 1209, 1280 (b) 5627, 5637, 5671, 5730, 5736 (c) 1857, 1865, 1870, 1890, 1899
(d) 7210, 7319, 7650, 7818, 7918 (e) 8490, 8582, 8680, 8681, 8918
- (a) 6890, 6850, 6842, 6840, 6799 (b) 5907, 5850, 5818, 5762, 5228 (c) 6985, 6906, 6820, 6090, 6009
(d) 2109, 2104, 1825, 1792, 1742 (e) 9770, 9491, 9249, 9216, 9126
- (a) < (b) = (c) > (d) > (e) > (f) < (g) < (h) < (i) > (j) >
- (a) 3842 (b) 5055 (c) 8764 (d) 8709 (e) 8522 (f) 6691
- (a) 5521 (b) 8355 (c) 2202 (d) 6009 (e) 1771 (f) 9991
- (a) 1118 m (b) 6 km 380 m (c) 350 cm (d) 620 cm (e) 4 m 75 cm (f) 3 m 75 cm (g) 8350 g (h) 6500 g
(i) 4 kg 500 g (j) 7 kg 559 g (k) 2250 ml (l) 3 l 325 ml
- (a) 200 Paisa (b) 20 (c) 8 (d) 20 (e) 10
- (a) ₹ 60.45 p (b) ₹ 220 (c) ₹ 190.73 p (d) ₹ 2073.09 p (e) ₹ 200.50 p (f) ₹ 88.67 p (g) ₹ 100
(h) ₹ 17.5 p (i) ₹ 100.56 p (j) ₹ 696.78 p (k) ₹ 648.48 p (l) ₹ 211.05 p (m) ₹ 61.16 p (n) ₹ 91.08 p
(o) ₹ 21.09 p (p) ₹ 21.06 p
- (a) 3 o'clock (b) 6 o'clock (c) 9 o'clock (d) 12 o'clock (e) 1 o'clock (f) 4 o'clock
- (a) 365 days (b) 12 (c) 366 (d) 29 (e) 30 (f) March (g) fifth (h) 30
- (a) three-fourth (b) four-fifth (c) Eight-tenth (d) Six-eighth (e) Seven-eighth (f) six-tenth
- (a) $\frac{6}{10}$ (b) $\frac{7}{8}$ (c) $\frac{3}{5}$ (d) $\frac{2}{3}$ (e) $\frac{1}{4}$ (f) $\frac{2}{4}$
- (a) 84 km 480 m (b) 30 kg 988 g (c) 22 m 01 cm (d) 25 l 500 ml (e) 15 km 682 m (f) 6 m 638 cm (g) 4 kg 4 g
(h) 6 l 78 ml (i) 100 km 359 m (j) 115 kg 308 g (k) 140 l 984 ml (l) 127 m 316 cm (m) 7 m 14 cm (n) 24 km 243 m
(o) 18 kg 68 g (p) 12 l 91 ml
- 4 kg 250 g 18. 2 m 15 cm 19. 12 l 25 ml 20. 2540 girls 21. 2275 22. 9568 guavas 23. 13083 soldiers
- 4396 people 25. 51 years 26. 1517 bags 27. 960 pencils 28. 118 children 29. 80 packets 30. 510 chocolates

CHAPTER-2

Exercise 2.1

- (a) 30 (b) 9000 (c) 6000 (d) 80000 (e) 70000 (f) 40000 (g) 600 (h) 300
- (a) 25,725 : Twenty five thousand seven hundred twenty five (b) 3,08,491 : Three lakh eight thousand four hundred ninety one
(c) 5,71,972 : Five lakh seventy one thousand nine hundred seventy two (d) 3,74,506 : Three lakh seventy four thousand five hundred six
(e) 4,57,926 : Four lakh fifty seven thousand nine hundred twenty six (f) 68,52,512 : Sixty eight lakh fifty two thousand five hundred twelve
(g) 6,71,241 : Six lakh seventy one thousand two hundred forty one
(h) 21,74,865 : Twenty one lakh seventy four thousand eight hundred sixty five
- (a) 38,249 (b) 59,260 (c) 6,20,015 (d) 4,05,309 4. 10,00,000 5. Ninety nine thousand nine hundred ninety nine

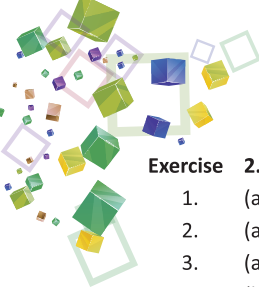
Exercise 2.2

- (a) 2,73,264 (b) 3,25,211 (c) 2,36,54,715 (d) 13,69,458 (e) 20,16,34,579
- (a) 43,658 (b) 675,269 (c) 6,189,532 (d) 92,961,485 (e) 53,53,15,212
- (a) 1,07,080 (b) 3,11,363 (c) 16,05,304 (d) 6,05,700 (e) 9,14,362
- (a) Eight lakh forty three thousand nine hundred seventy two (b) Fourteen lakh nine (c) Four lakh five thousand
(d) Eight lakh ninety seven thousand eight hundred ten (e) Twenty five Lakh seventy five thousand six hundred twenty one
- (a) Sixty five million six hundred thirty seven thousand four hundred thirteen
(b) Five million seven hundred sixteen thousand one hundred forty six
(c) Three hundred two million four hundred five thousand nine hundred seventy eight
(d) Forty five million sixty four thousand eight hundred seventy five
(e) Eight hundred sixty three million one hundred twenty thousand three hundred fifty

Exercise 2.3

- (a) 82,121 (b) 48,062 (c) 19,001 (d) 97,89,330 (e) 9,50,201 (f) 1,30,510 (g) 5,47,481 (h) 83,620
- (a) 40,999 (b) 38,999 (c) 75,218 (d) 2,86,230 (e) 4,75,019 (f) 58,67,499 (g) 19,399 (h) 85,005
- (a) < (b) < (c) = (d) < (e) > (f) = (g) > (h) <
- (a) 61,009; 61,089; 61,097; 61,807; 61,908 (b) 4,05,709; 4,05,907; 4,07,509; 4,07,905; 4,09,509
(c) 73,00,987; 73,07,908; 73,07,980; 73,08,970; 73,09,708
- (a) 2,09,709; 2,08,704; 2,07,603; 2,06,709; 1,99,001 (b) 3,09,010; 3,08,010; 3,04,000; 3,02,090; 3,01,090
(c) 60,930; 60,703; 60,390; 60,309; 60,039.
- 2,570; 2,575; 2,580; 2,585; 2,590; 2,595; 2,600 7. 6,10,250; 6,10,252; 6,10,254; 6,10,256; 6,10,258; 6,10,260
- (a) 6,00,00,000 (b) 6,00,000 (c) 500 (d) 4,000
- (a) 40,000,000 (b) 2,000,000 (c) 400,000 (d) 7,000





Exercise 2.4

- (a) 10 (b) 30 (c) 80 (d) 50 (e) 80 (f) 50 (g) 60 (h) 70 (i) 90 (j) 90
- (a) 220 (b) 630 (c) 990 (d) 5090 (e) 870 (f) 530 (g) 190 (h) 2530 (i) 4000 (j) 1830
- (a) 100 (b) 200 (c) 300 (d) 600 (e) 700 (f) 1900 (g) 5700
(h) 4400 (i) 2500 (j) 9800
- (a) numbers from 1550 to 1599 and numbers from 1601 to 1649 (b) numbers from 4150 to 4199 and numbers from 4201 to 4249
(c) numbers from 32450 to 32499 and numbers from 32501 to 32549 (d) numbers from 54550 to 54599 and numbers from 54601 to 54649
(e) numbers from 72150 to 72199 and numbers from 72201 to 72249
- (a) 9000 (b) 9000 (c) 4000 (d) 20000 (e) 16000 (f) 19000 (g) 52000 (h) 13000 (i) 19000
(j) 26000 (k) 32000 (l) 29000
- (a) numbers from 14500 to 14999 and numbers from 15001 to 15499 (b) numbers from 26500 to 26999 and numbers from 27001 to 27499
(c) numbers from 49500 to 49999 and numbers from 50001 to 50449 (d) numbers from 84500 to 84999 and numbers from 85001 to 85449

Exercise 2.5

- (a) LI (b) XVI (c) XXIX (d) XXV (e) XXXIX (f) XLII (g) XLIX (h) LV
(i) D (j) CCV (k) CLXX (l) CLXXXIII
- (a) 35 (b) 33 (c) 71 (d) 40 (e) 19 (f) 45 (g) 80 (h) 90
(i) 54 (j) 96 (k) 110 (l) 601 (m) 300 (n) 801 (o) 916
- (a) 40 (b) 44 (c) 70 (d) 80 (e) 27 (f) 69
- (a) -20,XX (b) 29,XXIX (c) 20,XX (d) 27,XXVII (e) 11,XI (f) 30,XXX
- (a) XXIV (b) XXXI (c) XXVIII,XXIX (d) LII (e) LX

Recap Exercise

- (a) ii (b) ii (c) ii (d) I (e) ii
- | | Number | Period | Place Value | Face Value |
|-----|---------------|-------------|-------------|------------|
| (a) | 6 9 5 0 9 | hundred | 500 | 5 |
| (b) | 4 5 6 1 0 1 | T-Thousands | 50000 | 5 |
| (c) | 3 4 7 2 9 6 | Thousands | 7000 | 7 |
| (d) | 7 6 5 8 9 4 | T-Thousands | 60000 | 6 |
| (e) | 2 4 7 5 0 9 6 | T-Lakhs | 2000000 | 2 |
- (a) $20000 + 7000 + 400 + 60 + 3$ (b) $100000 + 20000 + 3000 + 500 + 70$ (c) $500000 + 4000 + 600 + 70 + 2$ (d) $700000 + 200 + 90$
(e) $400000 + 30000 + 2000 + 800 + 6$
- (a) 62152 (b) 3869 (c) 43980 (d) 508323
- (a) Ninety three lakh twelve thousand five hundred twenty nine. (b) Two lakh sixty eight thousand three hundred eight
(c) Four lakh twenty five thousand seven hundred sixty. (d) Seventy two lakh eighty six thousand seven hundred twenty one.
(e) Ten lakh twenty seven thousand six hundred fifty seven
- (a) Five million seven hundred thirty six thousand eight hundred thirty six. (b) Seven hundred nine thousand seven hundred eighty six.
(c) Six hundred seventy eight thousand two hundred thirty nine. (d) Two million eight hundred ninety thousand seven hundred forty five.
(e) Nine million seven hundred twenty six thousand eight hundred fifty four
- (a) Largest \rightarrow 965420, Smallest \rightarrow 204569 (b) Largest \rightarrow 987630, Smallest \rightarrow 306789
- | | Number | Nearest 10 | Nearest 100 | Nearest 1000 |
|-----|--------|------------|-------------|--------------|
| (a) | 75216 | 75220 | 75200 | 75000 |
| (b) | 85762 | 85760 | 85800 | 86000 |
| (c) | 34629 | 34630 | 34600 | 35000 |
| (d) | 43872 | 43870 | 43900 | 44000 |
| (e) | 77254 | 77250 | 77300 | 77000 |
- (a) XVI (b) CV (c) LXXXXVI (d) MI (e) LIII

CHAPTER-3

Exercise 3.1

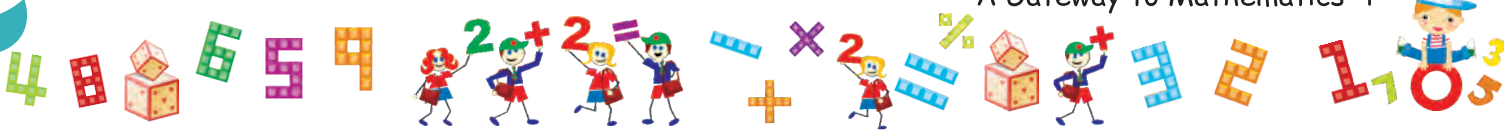
- (a) 152846 (b) 1748961 (c) 95995 (d) 1619082
- (a) 7,88,796 (b) 53,649 (c) 3,87,855 (d) 68,967

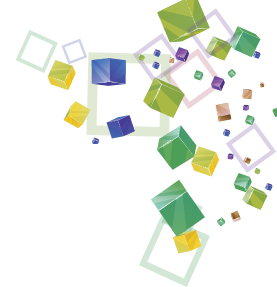
Exercise 3.2

- (a) 978231 (b) 762844 (c) 627433 (d) 2599973
- (a) 142006 (b) 84820 (c) 83566 (d) 34262 (e) 92638 (f) 87699
- (a) 185963 (b) 338205 (c) 4,67,119 (d) 7251418 (e) 9,20,603 (f) 8,99,842

Exercise 3.3

- (a) 30251 (b) 80 (c) 4265 (d) 61212 (e) 23487 (f) 3250 (g) 70594
- (a) 2 ten thousands 6 thousands 4 hundreds (b) 3 ten thousands 8 thousands 5 hundreds





- (c) 5 ten thousands 3 thousands 4 hundreds 13 tens (d) 8 lakh 7 ten thousands 8 thousands 7 hundreds

Exercise 3.4

1. ₹80,248 2. 2254 3. 468443 4. 542023 5. 377700 6. 193521
7. 775324 8. 1593014

Recap Exercise

1. (a) iii (b) iv (c) iv (d) iv (e) i 2. (a) 120018 (b) 96919 (c) 96372 (d) 318291 (e) 8992148
(f) 645523 3. (a) i 76887 = ii 76887 (b) i 76746 = ii 76746
4. (a) 26572 (b) 0 (c) 11992 (d) 23719 (e) 245792 (f) 317 (g) 82881 (h) 32742 (i) 2468,3253 (j) 3452,11220
5. (a) 8000 > 7956 (b) 8000 > 7581 (c) 33000 < 33458 (d) 10000 > 9953 (e) 117000 > 116990 (f) 114000 > 113898
6. (a) ₹979272 (b) 84100 chairs

CHAPTER-4

Exercise 4.1

1. (a) 12136 (b) 43337 (c) 43116 (d) 352645 (e) 332127 (f) 544357
2. (a) 42900 (b) 13412 (c) 131254 (d) 21246 (e) 204115 (f) 115425
3. (a) 52633 (b) 425342 (c) 24437 (d) 422433
4. (a) 6 7 8 8 9 5 (b) 6 8 5 9 7 4 (c) 4 5 8 7 6 3 (d) 6 4 5 8 7 (e) 5 4 3 6 7 (f) 7 6 8 5 4

$$\begin{array}{r} \underline{24} \underline{28} \underline{13} \\ 43 \underline{60} \underline{82} \end{array}$$

$$\begin{array}{r} \underline{46} \underline{14} \underline{41} \\ \underline{22} \underline{45} \underline{33} \end{array}$$

$$\begin{array}{r} \underline{34} \underline{24} \underline{51} \\ \underline{11} \underline{63} \underline{12} \end{array}$$

$$\begin{array}{r} \underline{43} \underline{25} \underline{3} \\ 21 \underline{33} \underline{4} \end{array}$$

$$\begin{array}{r} \underline{23} \underline{24} \underline{5} \\ 3 \underline{11} \underline{22} \end{array}$$

$$\begin{array}{r} \underline{44} \underline{31} \underline{2} \\ \underline{32} \underline{54} \underline{2} \end{array}$$

Exercise 4.2

1. (a) 38447 (b) 39597 (c) 40884
2. (a) 19685 (b) 34411 (c) 24658 (d) 76580
3. 13989 4. 15213 5. 4879

Exercise 4.3

1. (a) Minuend (b) Subtrahend (c) Subtrahend.
2. (a) 14332 (b) 11156 (c) 4851 (d) 511141 (e) 11311 (f) 131470 (g) 44441 (h) 443133 (i) 21411 (j) 551480.
3. (a) 15510 (b) 223620 (c) 55323 (d) 740131 (e) 32262 (f) 214111.

Exercise 4.4

1. (a) Addends (b) Sum (c) 41527 (d) 14991.
2. (a) 87678; (b) 66666; (c) 67987 (d) 65556.
3. (a) 55426 (b) 45434 (c) 65543 (d) 434554

Exercise 4.5

1. 57,132 2. 47,691 3. 1,56,900 4. 4,22,032 5. 13,158 6. 2,54,485 7. 16,204 8. 2,10,007

Recap Exercise

1. (i) c (ii) a (iii) d (iv) b.
2. (a) 441149 (b) 308537 (c) 550323 (d) 547662 (e) 8644 (f) 842066 (g) 117334 (h) 79247 (i) 229364 (j) 109622.
3. (a) 790641 (b) 478903 (c) 218964 (d) 53198 (e) 223279.

Formative Assessment - I

- A. 1. (c) 2. (b) 3. (c) 4. (a) 5. (c) 6. (c) B. 1. (iii) 2. (v) 3. (iv) 4. (i) 5. (ii)

CHAPTER-5

Exercise 5.1

1. (a) 1080 (b) 27000 (c) 48400 (d) 2000 (e) 3600 (f) 51000 (g) 5760 (h) 17100.
2. (a) 13000 (b) 9900 (c) 105000 (d) 28000
3. (a) 2625 (b) 50625 (c) 26741 (d) 11235 (e) 12250 (f) 33496 (g) 37500 (h) 89375.

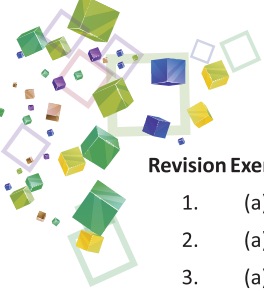
Exercise 5.2

1. (a) 31230 (b) 19306 (c) 21024 (d) 56322.
2. (a) 252544 (b) 78432 (c) 110504 (d) 131874.
3. (a) 228327 (b) 1380924 (c) 601245 (d) 2029950.

Exercise 5.3

1. (a) 9408 (b) 95832 (c) 199206 (d) 132000.
2. (a) 124 (b) 21 (c) 27 (d) 68
3. ₹165480 4. 80850 5. 32900 tubes 6. ₹8,99,675.





Revision Exercise

- (a) 7 (b) 6 (c) 1 (d) 8 (e) 2 (f) 3 (g) 4 (h) 5.
- (a) 19,500 (b) 60,000 (c) 51000 (d) 66000
- (a) 57792 (b) 6175 (c) 4900 (d) 12648
- (a) 32640 (b) 49824 (c) 59024 (d) 2784.
- (a) 37 (b) 699. 6. 173940 balls. 7. 42340.

CHAPTER-6

Exercise 6.1

- (a) 767 (b) 0 (c) 2458 (d) 2 (e) 640 (f) 2 (g) 1 (h) 1 (i) 360 (j) 1.
- (a) $Q=63, R=7$ (b) $Q=517, R=8$ (c) $Q=92, R=57$ (d) $Q=345, R=1$
 (e) $Q=83, R=65$ (f) $Q=7, R=634$ (g) $Q=1252, R=4$ (h) $Q=840, R=24$
 (i) $Q=35, R=764$ (j) $Q=4, R=254$ (k) $Q=682, R=17$ (l) $Q=192, R=35$

Exercise 6.2

- (a) $Q=272, R=8$ (b) $Q=16512, R=1$ (c) $Q=523, R=7$ (d) $Q=635, R=5$ (e) $Q=1090, R=1$ (f) $Q=750, R=2$
 (g) $Q=5518, R=1$ (h) $Q=1121, R=2$ (i) $Q=1956, R=1$ (j) $Q=869, R=8$ (k) $Q=1139, R=3$ (l) $Q=581, R=0$
 (m) $Q=4312, R=3$ (n) $Q=3144, R=2$ (o) $Q=11425, R=0$ (p) $Q=11179, R=4$.
- (a) True (b) True (c) False (d) True.

Exercise 6.3

- 80 apples 2. 100.27 pens 3. 1529 4. ₹20833.33 5. 202 bags 6. 10 km 7. ₹4000.
- (a) 99825 (b) 9960 9. (a) 1015 (b) 10050

Exercise 6.4

- (a) 1 (b) 32 (c) 40 (d) 19 (e) 132 (f) 2 (g) 1500 (h) 10
- 718750 3. 39600 4. 120 candles in each box and 10 candles in each packet 5. 4 6. 274

Revision Exercise

- (a) ii (b) i (c) iv (d) i (e) iv 2. (a) 5923 (b) 6923 (c) 728 (d) 1 (e) 86 (f) 0
- (a) 8, 80, 800, 8000 (b) 7, 70, 8400, 84000 4. (a) $Q=877, R=1$ (b) $Q=574, R=14$ (c) $Q=403, R=12$
- (a) 378 (b) 175 © 185
- (a) $Q=259, R=3, \text{divisor}=8, \text{dividend}=2075; 259 \times 8 + 3 = 2072 + 3 = 2075 = \text{dividend}$
 (b) $Q=585, R=2, \text{divisor}=11, \text{dividend}=6437; 585 \times 11 + 2 = 6435 + 2 = 6437 = \text{dividend}$
 (c) $Q=103, R=39, \text{divisor}=70, \text{dividend}=7249; 103 \times 70 + 39 = 7210 + 39 = 7249 = \text{dividend}$
- (a) 46 people (b) 219 posters 8. (a) ₹14200 (b) ₹4650

CHAPTER-7

Exercise 7.1

- Factors of 18 are 1, 2, 3, 6, 9, and 18. Factors of 32 are 1, 2, 4, 8, 16, and 32. Factors of 28 are 1, 2, 4, 7, 14, and 28.
 Factors of 42 are 1, 2, 3, 6, 7, 14, 21 and 42. Factors of 45 are 1, 3, 5, 9, 15, and 45. Factors of 56 are 1, 2, 4, 7, 8, 14, 28 and 56.
- Factors of 36 are 1, 2, 3, 4, 6, 9, 12, 18 and 36. Factors of 27 are 1, 3, 9, and 27. Factors of 48 are 1, 2, 3, 4, 6, 8, 12, 16, 24 and 48.
 Factors of 52 are 1, 2, 4, 13, 26, and 52. Factors of 72 are 1, 2, 3, 4, 6, 8, 9, 12, 18, 24, 36 and 72. Factors of 64 are 1, 2, 4, 8, 16, 32 and 64.
- (a) ✗ (b) ✓ (c) ✓ (d) ✓ (e) ✓ (f) ✓ (g) ✗ (h) ✗ (i) ✓ (j) ✗

Exercise 7.2

- (a) 40, 50, 60 (b) 400, 500, 600 (c) 2000, 3000, 4000, 5000, 6000
 - (a) 8, 16, 20, 24, 28 (b) 16, 24, 40, 48, 56 (c) 20, 30, 40, 50, 60, 70
- Observation: The multiples of even numbers are even numbers
- (a) 20, 25, 30, 35 (b) 21, 28, 35, 42, 49 (c) 39, 52, 65, 78, 91
- Observation: The multiples of odd numbers are odd and even numbers alternatively
- (a) unlimited (b) greater than, equal to (c) zero (d) 1

Exercise 7.3

- Multiples of 3 up to 8th place are 3, 6, 9, 12, 15, 18, 21, 24
 common multiples are 12 and 24
- Multiples of 4 up to 8th place are 4, 8, 12, 16, 20, 24, 28, 32





2. (a) 18 (b) 32, 40, 48, 56, 64 3. First three common multiples of 5 and 10 are 10, 20 and 30. clearly, LCM is 10.
 4. The multiples of 4 and 8 up to 5th place respectively 4, 8, 12, 16, 20 and 8, 16, 24, 32, 40. clearly, the LCM 8 and 16 is 16.
 5. (a) Yes (b) Yes (c) Yes (d) No (e) No
 6. (a) 40 (b) 18 (c) 66 (d) 36 (e) 112

Exercise 7.4

1. Factors of 12 are 1, 2, 3, 4, 6, and 12. Factors of 20 are 1, 2, 4, 5, 10, and 20. Common factors of 12 and 20 are 1, 2, 4. HCF is 4
 2. (a) 4 (b) 2 (c) 3 (d) 2 (e) 4 (f) 5 (g) 14 (h) 25
 3. (a) HCF = 9, LCM = 72 (b) HCF = 16, LCM = 80 (c) HCF = 8, LCM = 104 (d) HCF = 7, LCM = 91 (e) HCF = 12, LCM = 108

Exercise 7.5

1. a, b, c, d are divisible by 2 2. a, b, d, e are divisible by 3 3. a, b, c, d, e, and f are divisible by 5 b, e, and f are divisible by 10

4.

Numbers	By 2	By 3	By 5	By 10
(a) 27895	x	x	✓	x
(b) 67280	✓	x	✓	✓
(c) 4974	✓	✓	x	x
(d) 3090	✓	✓	✓	✓
(e) 34385	x	x	✓	x

Exercise 7.6

1. (a) unique (b) 4 (c) 2 (d) 2 (e) three
 2. Prime numbers from 11 and 20 are 11, 13, 17 and 19 3. Composite numbers from 11 and 20 are 12, 14, 15, 16, 18 and 20

Revision Exercise

1. (a) ii (b) ii (c) iii 2. 13→13, 26, 39, 52, 65, 78; 17→17, 34, 51, 68, 85, 102
 3. (a) 24→1, 2, 3, 4, 6, 8, 12, 24 (b) 25→1, 5, 25 (c) 32→1, 2, 4, 8, 16, 32 (d) 42→1, 2, 3, 6, 7, 14, 21, 42
 4. (a) 1, 2, 4; HCF = 4 (b) 1, 3, 5, 15; HCF = 15 (c) 1, 2, 3, 6; HCF = 6 5. (a) Yes (b) No. (c) Yes 6. Do it yourself

CHAPTER-8

Exercise 8.1

1. (a) $\frac{4}{9}, \frac{5}{11}, \frac{6}{13}, \frac{7}{15}$ (b) $\frac{4}{12}, \frac{5}{15}, \frac{6}{18}, \frac{7}{21}$ (c) $\frac{4}{16}, \frac{5}{20}, \frac{6}{24}, \frac{7}{28}$ (d) $\frac{4}{24}, \frac{5}{30}, \frac{6}{36}, \frac{7}{42}$
 2. (a) $\frac{2}{10}, \frac{3}{15}, \frac{4}{20}, \frac{5}{25}, \frac{6}{30}$ (b) $\frac{4}{6}, \frac{6}{9}, \frac{8}{12}, \frac{10}{15}, \frac{12}{18}$ (c) $\frac{6}{8}, \frac{9}{12}, \frac{12}{16}, \frac{15}{20}, \frac{18}{24}$ (d) $\frac{4}{10}, \frac{6}{15}, \frac{8}{20}, \frac{10}{25}, \frac{12}{30}$
 3. (a) $\frac{3}{4}$ (b) $\frac{6}{8}$ (c) $\frac{9}{12}$ (d) $\frac{12}{16}$
 4. (a) 8 (b) 30 (c) 35 (d) 30 (e) 15 (f) 6 (g) 36 (h) 12

Exercise 8.2

1. (a) No (b) No (c) Yes (d) yes (e) yes (f) yes 2. a, b, c, d, e and i
 3. (a) $\frac{3}{5}$ (b) $\frac{1}{3}$ (c) $\frac{1}{2}$ (d) $\frac{5}{6}$ (e) $\frac{2}{5}$ (f) $\frac{3}{4}$ (g) $\frac{5}{9}$ (h) $\frac{3}{8}$ (i) $\frac{2}{3}$ (j) $\frac{15}{16}$

Exercise 8.3

1. a, c and d are like fractions 2. b and d are like fractions 3. a, b, e and f are proper fractions
 4. a, c, d, e and f are improper fractions 5. e and f are unit fractions 6. a, d and e are mixed numerals

Exercise 8.4

1. (a) $\frac{2}{3}$ (b) $\frac{8}{5}$ (c) $\frac{5}{6}$ (d) $\frac{14}{13}$ (e) $\frac{4}{5}$
 2. (a) $\frac{1}{6}$ (b) $\frac{1}{7}$ (c) $\frac{1}{4}$ (d) $\frac{3}{4}$ (e) $\frac{1}{4}$ 3. one cake 4. Manisha has eaten more pizza and $\frac{1}{4}$ more $\frac{1}{4}$

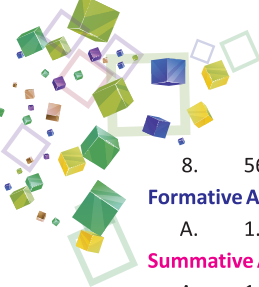
Exercise 8.5

1. (a) $1\frac{3}{10}$ (b) $\frac{7}{9}$ (c) $1\frac{1}{2}$ (d) $1\frac{1}{8}$ (e) $1\frac{5}{8}$
 2. (a) $\frac{1}{4}$ (b) $\frac{1}{8}$ (c) $\frac{1}{16}$ (d) $\frac{1}{10}$ (e) $\frac{1}{9}$
 3. (a) $\frac{5}{6}$ (b) $1\frac{3}{4}$ (c) $1\frac{1}{4}$ (d) $3\frac{1}{2}$ (e) $4\frac{1}{4}$ 4. $2\frac{1}{4}$ km 5. $\frac{3}{4}$ kg 6. $\frac{1}{2}$

Revision Exercise

1. (a) ii (b) iii (c) iv (d) i (e) ii 2. a, b, e and f are proper fraction 3. (a) 12 (b) 49 (c) 64 (d) 40
 4. (a) $\frac{3}{5}$ (b) $\frac{4}{7}$ (c) $\frac{6}{7}$ (d) $\frac{10}{12}$ (e) $\frac{6}{8}$ (f) $\frac{14}{16}$ 5. (a) $\frac{6}{14}, \frac{9}{21}, \frac{12}{28}, \frac{15}{35}, \frac{18}{42}$ (b) $\frac{10}{26}, \frac{15}{39}, \frac{20}{52}, \frac{25}{65}, \frac{30}{78}$
 6. (a) $\frac{4}{9}$ (b) $\frac{5}{13}$ (c) $\frac{1}{6}$ (d) $\frac{7}{12}$ 7. (a) 1 (b) $\frac{5}{3}$ (c) $\frac{11}{7}$ (d) $\frac{3}{2}$ (e) $\frac{1}{3}$ (f) $\frac{3}{5}$ (g) $\frac{1}{6}$ (h) $\frac{1}{8}$





8. 56 roses 9. 45 sheets 10. 6 votes

Formative Assessment - II

- A. 1. (d) 2. (d) 3. (d) 4. (c) 5. (c) 6. (b) B. 1. (iii) 2. (i) 3. (v) 4. (ii) 5. (iv)

Summative Assessment - I

- A. 1. 99999 2. two 3. zero 4. remainder 5. prime 6. unit 7. like B. 1. ✓ 2. ✓ 3. ✗ 4. ✗ 5. ✓
 C. 1. (iii) 2. (v) 3. (i) 4. (ii) 5. (iv) D. 1. 51,665 2. 2,25,178 3. 1,31,705 4. 345
 E. 1. ₹88,368 2. 27 apples 3. 16 4. 3,26,895 5. 12

CHAPTER-9

Exercise 9.1

1. Do it yourself 2. 3 line segments 3. 2 line segment 4. 10 millimeters 5. (b)

Exercise 9.2

1. (a) perpendicular lines (b) Intersecting lines (c) Intersecting lines (d) Parallel lines (e) Perpendicular lines (f) Intersecting lines
 2. (a) closed figure (b) closed figure (c) open figure (d) polygon (e) open figure

Exercise 9.3

1. a, b and e are symmetrical 2. Do it yourself 3. b and c are examples of reflection 4. Do it yourself

Exercise 9.4

1. Do it yourself 2. (a) diameter (b) radius (c) chord

Revision Exercise

1. (a) iii (b) i (c) iv (d) i (e) i 2. Do it yourself 3. Do it yourself 4. Do it yourself 5. Do it yourself
 6. Do it yourself 7. Do it yourself

CHAPTER-10

Exercise 10.1

1. gram 2. millilitre is the lowest unit and kilolitre is the highest unit of capacity 3. kilometre is the highest unit of length
 4. metre 5. milligram 6. (a) litres (b) decametre (c) centigram (d) decametre
 7. (a) 5 kg (b) 6 kg 315 g (c) 4 kg 68 g (d) 5 kg 79 g
 8. (a) 6 km 70 m (b) 6 km 250 m (c) 8 km 375 m (d) 5 km 586 m
 9. (a) 6 l 351 ml (b) 5 l 301 ml (c) 4 l 7 ml (d) 2 l 180 ml
 10. (a) 2265 cm (b) 25156 m (c) 34000 ml (d) 25058 g

Exercise 10.2

1. (a) 71 kg 600 g (b) 50 kg 969 g (c) 11 l 599 ml (d) 12 kl 340 l (e) 95 km 469 m (f) 105 m 89 cm
 2. (a) 37 kg 710 g (b) 15 km 270 m (c) 5 l 800 ml (d) 29 m 24 cm (e) 4 kl 350 l (f) 36 m 35 cm
 3. 797 m 36 cm 4. 100 km 345 m 5. 19 kg 200 g 6. 136 kg 891 g 7. 12 m 13 cm 8. 58 kg 890 g

Recap Exercise

1. (a) ii (b) iv (c) iii (d) i (e) iv 2. (a) 750000 mm (b) 47600 m
 3. (a) 4.567 km (b) 7.25 km (c) 473.5 km (d) 0.9668 km (e) 0.26975 km (f) 0.185 km
 4. (a) 0.52 kg (b) 0.074 kg (c) 60.5 kg (d) 0.00752 kg (e) 3.447 kg (f) 2.6472 kg
 5.

	l	dl	cl
(a)	2.905	29.05	290.5
(b)	3.070	30.70	307.0
(c)	5.400	54.00	540.0
(d)	7.000	70.00	700.0
(e)	6.276	62.76	627.6
(f)	6.009	60.09	600.9

6. 24 kg 500 g 7. 620 l

CHAPTER-11

Exercise 11.1

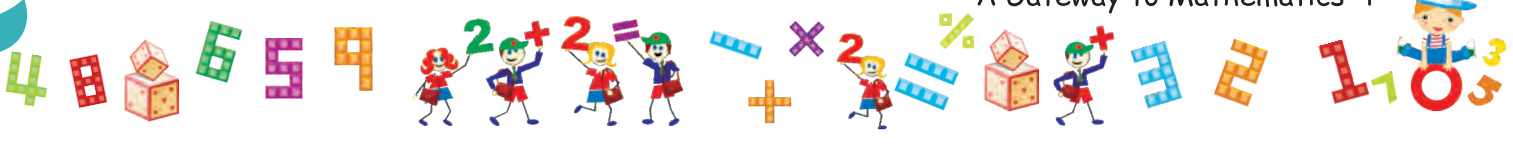
1. (a) 30 cm (b) 8 m (c) 14 cm
 2. (a) 12 cm (b) 10 cm (c) 14 cm (d) 14 cm (e) 14 cm (f) 12 cm (g) 14 cm (h) 14 cm (i) 14 cm
 3. Do it yourself 4. (a) 4 cm (b) 6 cm 5. 4 m, 20 m, 30 m 6. 14 m 40 cm 7. 1 m 20 cm, 120 cm 8. 40 cm

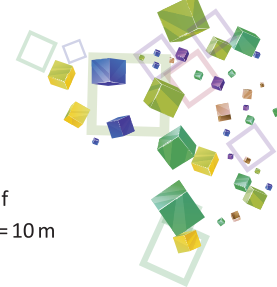
Exercise 11.2

1. (a) 8 square units (b) 6 square units (c) 6 square units (d) 6 square units (e) 8 square units
 (f) 5 square units (g) 7 square units (h) 10 square units (i) 9 square units
 2. (a) 10 square cm (b) 7 square cm 3. 10 square units
 5. (a) 24 square units (b) 12 square units (c) 15 square units (d) 12 square units

Exercise 11.3

1. (a) 8 square units (b) 8 square units (c) 10 square units (d) 2 square units (e) 3 square units
 2. (a) 10 square units (b) 9 square units (c) 15 square units (d) 12 square units (e) 12 square units





Revision Exercise

- (a) ii (b) ii (c) i (d) iv (e) iii
- (a) 19 cm (b) 16 cm (c) 13 cm
- Do it yourself
- (a) 10 cm^2 (b) 18 cm^2 (c) 16 cm^2
- 50 cm
- 250 m^2
- 58500 m
- Area = 6 m^2 , perimeter = 10 m
- Area = 28 m^2 , perimeter = 22 m

CHAPTER-12

Exercise 12.1

- (a) 4:30 p.m. (b) 6:50 a.m. (c) 12:15 a.m. (d) 11:00 p.m.
- (a) 8:30 a.m. (b) 1:00 a.m. (c) 6:15 a.m. (d) 4:30 p.m.
- (a) 7:40 p.m. (b) 2:15 a.m. (c) 4:30 p.m. (d) 1:08 a.m.
- (a) 18:15 hours (b) 05:50 hours (c) 02:30 hours (d) 22:45 hours
- (a) 11:45 a.m. (b) 12:52 p.m. (c) 9:10 p.m. (d) 6:30 a.m.

Exercise 12.2

- (a) 150 hours (b) 202 hours
- (a) 255 minutes (b) 504 minutes
- (a) 744 seconds (b) 3740 seconds
- (a) 12 hours 13 minutes (b) 30 hours 45 minutes
- (a) 43 minutes (b) 27 hours 20 minutes (c) 9 hours 39 minutes
- (a) 23 minutes 54 seconds (b) 7 p.m. (c) 8:15 p.m. (d) 4:10 p.m.

Exercise 12.3

- (a) 2 hours 20 minutes (b) 3 hours 40 minutes (c) 1 hours 30 minutes (d) 3 years 10 months
- (a) 11 hours 50 minutes (b) 6 hours (c) 6 hours 50 minutes (d) 5 hours 35 minutes
- (a) 2:45 a.m. (b) 10:40 a.m. (c) 3:15 p.m. (d) 6:00 p.m.

Exercise 12.4

- 7 p.m.
- 7:55 a.m.
- 21:30 hours
- 7 hours 45 minutes
- 2:45 p.m.
- 10:00 a.m.
- 2 hours 5 minutes

Revision Exercise

- (a) ii (b) i (c) iv (d) ii (e) ii
- (a) 7:10 a.m. (b) 3:50 p.m. (c) 10:40 p.m. (d) 11:59 a.m.
- (a) 5:30 hours (b) 13:20 hours (c) 10:15 hours (d) 20:30 hours
- (a) 3:45 a.m. (b) 5:40 p.m. (c) 9:15 a.m. (d) 10:20 p.m.
- (a) 745 minutes (b) 585 minutes
- 3 hours 40 minutes (b) 9 hours 20 minutes
- 30 June 2012
- 5 hours and 45 minutes

Formative Assessment - III

- (c)
- (a)
- (d)
- (c)
- (d)
- (d)
- (ii)
- (i)
- (iv)
- (v)
- (iii)

CHAPTER-13

Exercise 13.1

- (a) ₹ 2.15 (b) ₹ 2.75 (c) ₹ 4.45 (d) ₹ 10.20 (e) ₹ 5 (f) ₹ 12.79
- (a) 625 p (b) 250 p (c) 3875 p (d) 13502 p
- (a) ₹ 15.35 (b) ₹ 111.20 (c) ₹ 86.50 (d) ₹ 11.70 (e) ₹ 216.50 (f) ₹ 222.75

Exercise 13.2

- (a) ₹ 15.85 (b) ₹ 68.90 (c) ₹ 189.70 (d) ₹ 412.40
- (a) ₹ 3.25 (b) ₹ 43.30 (c) ₹ 75.40 (d) ₹ 283.90
- (a) ₹ 121.50 (b) ₹ 88.30 (c) ₹ 480.85 (d) ₹ 4895.85
- ₹ 36.29
- (a) ₹ 1128.10 (b) ₹ 57.20
- (a) ₹ 2269.90 (b) ₹ 2750 (c) ₹ 75.50 (d) ₹ 16.75

Exercise 13.3

- (a) ₹ 226.2 (b) ₹ 564.75 (c) ₹ 92.10 (d) ₹ 832.50 (e) ₹ 532.5 (f) ₹ 567
- (a) ₹ 1.04 (b) ₹ 3.76 (c) ₹ 63.055 (d) ₹ 69.13 (e) ₹ 2001.33 (f) ₹ 1457.1
- (a) ₹ 2926.5 (b) ₹ 136.80 (c) ₹ 62.50 (d) ₹ 3692
- ₹ 58.75
- ₹ 16.45
- ₹ 315.25
- ₹ 222.05
- ₹ 45
- ₹ 47.04

Recap Exercise

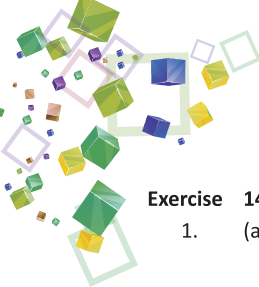
- (a) iii (b) ii (c) ii (d) iii (e) ii
- (a) ₹ 6 (b) ₹ 10.50 (c) ₹ 7.25 (d) ₹ 5.50 (e) ₹ 6.75 (f) ₹ 9.50
- (a) 1020 p (b) 5075 p (c) 10025 p (d) 11525 p (e) 14550 p (f) 20550 p
- (a) 50 rupees 40 paise (b) 75 rupee 75 paise (c) 109 rupees 2 paise (d) 60 rupees 5 paise
- (e) 90 rupees 50 paise (f) 150 rupees 8 paise
- (a) ₹ 20.20 (b) ₹ 55.75 (c) ₹ 105.05 (d) ₹ 500.08
- ₹ 336.25
- ₹ 1503
- ₹ 1082.50
- ₹ 12.50

CHAPTER-14

Exercise 14.1

- (a) $7+6=13$ (b) $8+7=15$ (c) $9+8=17$ (d) $10+9=19$
- (a) 19, 22, 25, 28 (b) 26, 30, 34, 38 (c) 29, 36, 44, 53 (d) 28, 32, 36, 40
- (a) $2+5=7$ (b) $8+9=17, =1+7=8$ (c) $1+3+5=9$ (d) $4+5+8=17=1+7=8$ (e) $6+3+5=14=1+4=5$
- (a) 4225 (b) 11025 (c) 119025 (d) 255025 (e) 27225 (f) 38025
- (a) $1234 \times 9 + 5 = 11111$, $12345 \times 9 + 6 = 111111$ (b) $444 \div 12 = 37$, $555 \div 15 = 37$





Exercise 14.2

1. (a) $\begin{array}{c} 17 \\ 6 \ 11 \\ 2 \ 4 \ 7 \end{array}$ (b) $\begin{array}{c} 24 \\ 6 \ 4 \\ 6 \ 1 \ 4 \end{array}$
2. (a) $\begin{array}{|c|c|c|c|} \hline 8 & 1 & 22 & 5 \\ \hline \end{array}$ $\begin{array}{|c|c|c|} \hline 6 & 21 & 14 \\ \hline \end{array}$ (b) $\begin{array}{|c|c|c|c|} \hline 19 & 1 & 22 & 5 \\ \hline \end{array}$ $\begin{array}{|c|c|c|c|} \hline 23 & 1 & 20 & 5 & 18 \\ \hline \end{array}$ (c) $\begin{array}{|c|c|c|c|} \hline 2 & 5 & 19 & 20 \\ \hline \end{array}$ $\begin{array}{|c|c|} \hline 15 & 6 \\ \hline \end{array}$ $\begin{array}{|c|c|c|c|} \hline 12 & 21 & 3 & 11 \\ \hline \end{array}$ 3. Do it yourself

Revision Exercise

1. (a) i (b) ii (c) iii (d) i (e) ii 2. (a) $\begin{array}{c} 100 \\ 40 \ 60 \\ 15 \ 25 \ 35 \\ 5 \ 10 \ 15 \ 20 \end{array}$ (b) $\begin{array}{c} 60 \\ 28 \ 32 \\ 13 \ 15 \ 17 \\ 6 \ 7 \ 8 \ 9 \end{array}$ 3. (a) $\begin{array}{c} 864 \\ 18 \ 48 \\ 3 \ 6 \ 8 \\ 1 \ 3 \ 2 \ 4 \end{array}$ (b) $\begin{array}{c} 270 \\ 15 \ 18 \\ 5 \ 3 \ 6 \\ 5 \ 1 \ 3 \ 2 \end{array}$
4. (a) 5625 (b) 9025 (c) 18225 (d) 30625 5. (a) 70, 65, 60 (b) 87, 97, 107 (c) 555, 666, 777

CHAPTER-15

Exercise 15.1

1. (a) 5 children (b) 8 (c) 10 children (d) Pears
 2. (a) 120 toys (b) Dolls (c) 15 (d) kites
 3. (a) Fourth week (b) 21 (c) Third week

Exercise 15.2

1. (a) 5 students (b) 20 students (c) pink colour (d) red colour
 2. (a) 20 kg (b) 20 kg (c) 20 years (d) 5 years

Revision Exercise

1. (a) i (b) iv (c) ii (d) iv 2. (a) playing cricket (b) 10 students (c) 5 students (d) 15 students

Formative Assessment - IV

- A. 1. (d) 2. (b) 3. (b) 4. (b) 5. (c) 6. (c) B. 1. (ii) 2. (v) 3. (iv) 4. (i) 5. (iii)

Summative Assessment - II

- A. 1. ray 2. circumference 3. 29 4. 12:00 midnight 5. 1000 6. Pattern 7. tessalations 8. pictographs
 B. 1. ✓ 2. ✗ 3. ✓ 4. ✗ 5. ✓
 C. Do it yourself D. 1. ₹ 374.86 2. ₹ 192.46 3. 25 km 515 m 4. 488 m 14 cm
 E. 1. 3 line segment 2. 447 kg 875 g 3. 40 cm 4. 10:00 a.m. 5. (a) 5 students (b) 20 students
 (c) Pink colour (d) Red colour