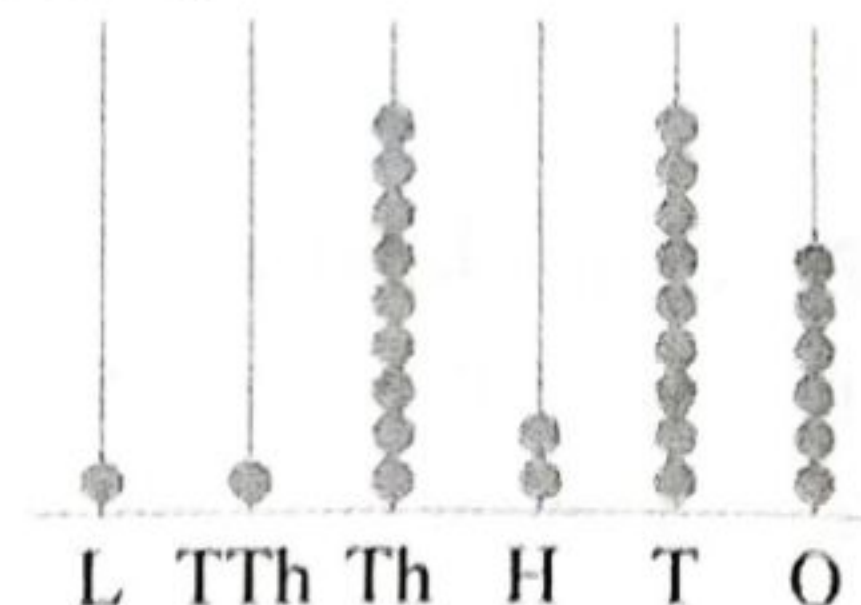


Challenge!

Number is 47,184

Worksheet

1. Jupiter has a bigger diameter.
2. The combined diameter of Mars and Mercury is more than the diameter of the Earth. False
3. Uranus has greater diameter.
4. Descending order – Jupiter, Saturn, Uranus, Neptune, Earth, Mars, Venus, Mercury
5. Saturn – Difference = $9,000 - 90 = 8,910$
6. Diameter of Saturn – 1,19,296 km – One lakh nineteen thousand two hundred ninety-six



Chapter 2: Addition and Subtraction

Warm-up

1. The Atlantic Ocean is deeper than the Southern Ocean by $3646 \text{ m} - 3270 \text{ m} = 376 \text{ m}$
2. Difference between Pacific and Arctic Oceans = $3970 \text{ m} - 1205 \text{ m} = 2765 \text{ m}$
3. Sum of depth of Southern and Pacific Oceans
 $= 3970 \text{ m} + 3270 \text{ m} = 7240 \text{ m}$
 Sum of depth of Indian and Atlantic Oceans
 $= 3741 \text{ m} + 3646 \text{ m} = 7387 \text{ m}$
 $7387 \text{ m} > 7240 \text{ m}$
4. Indian Ocean is more depth than Arctic Ocean
 $= 3741 \text{ m} - 1205 \text{ m} = 2356 \text{ m}$

Exercise 2A

1. (a)
$$\begin{array}{r} 5102 \\ + 2687 \\ \hline 7789 \end{array}$$
 (b)
$$\begin{array}{r} \textcircled{1} \textcircled{1} \\ 5234 \\ + 2176 \\ \hline 7410 \end{array}$$
 (c)
$$\begin{array}{r} 3221 \\ + 5673 \\ \hline 8894 \end{array}$$
 (d)
$$\begin{array}{r} \textcircled{1} \textcircled{1} \textcircled{1} \\ 4748 \\ + 2953 \\ \hline 7701 \end{array}$$
 (e)
$$\begin{array}{r} \textcircled{2} \textcircled{1} \textcircled{1} \\ 4732 \\ 3300 \\ + 989 \\ \hline 9021 \end{array}$$
 (f)
$$\begin{array}{r} \textcircled{2} \textcircled{1} \textcircled{2} \\ 3906 \\ 2445 \\ + 5889 \\ \hline 12240 \end{array}$$
 (g)
$$\begin{array}{r} \textcircled{1} \textcircled{1} \textcircled{2} \\ 8023 \\ 2165 \\ 3719 \\ + 4586 \\ \hline 18493 \end{array}$$
 (h)
$$\begin{array}{r} \textcircled{2} \textcircled{2} \textcircled{2} \\ 1237 \\ 9876 \\ 5432 \\ + 6789 \\ \hline 23334 \end{array}$$
2. (c) $\{6,759 + 8,513 + 7,786 = 23,058\}$

Class Work (Page 32)

$$\begin{array}{r}
 \text{TTh Th H T O} \\
 6 \quad 5 \quad 1 \quad 2 \quad 9 \\
 + 2 \quad 1 \quad 5 \quad 3 \quad 0 \\
 \hline
 8 \quad 6 \quad 6 \quad 5 \quad 9
 \end{array}$$

$$\begin{array}{r}
 \text{L TTh Th H T O} \\
 3 \quad 8 \quad 6 \quad 9 \quad 2 \quad 4 \\
 + 6 \quad 1 \quad 1 \quad 0 \quad 5 \quad 3 \\
 \hline
 9 \quad 9 \quad 7 \quad 9 \quad 7 \quad 7
 \end{array}$$

Exercise 2B

$$\begin{array}{r}
 4 \quad 2 \quad 6 \quad 7 \quad 1 \\
 + 3 \quad 4 \quad 2 \quad 0 \quad 7 \\
 \hline
 7 \quad 6 \quad 8 \quad 7 \quad 8
 \end{array}$$

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

$$\begin{array}{r}
 \textcircled{1} \quad \textcircled{1} \textcircled{1} \textcircled{1} \\
 5 \quad 7 \quad 0 \quad 8 \quad 1 \quad 7 \\
 + 3 \quad 5 \quad 8 \quad 4 \quad 9 \quad 8 \\
 \hline
 9 \quad 2 \quad 9 \quad 3 \quad 1 \quad 5
 \end{array}$$

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

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

$$\begin{array}{r}
 \textcircled{1} \textcircled{3} \textcircled{2} \textcircled{1} \\
 1 \quad 2 \quad 3 \quad 8 \quad 7 \quad 5 \\
 5 \quad 2 \quad 0 \quad 7 \quad 5 \quad 0 \\
 2 \quad 8 \quad 6 \quad 7 \quad 7 \\
 + 2 \quad 1 \quad 3 \quad 7 \quad 2 \quad 6 \\
 \hline
 8 \quad 8 \quad 7 \quad 0 \quad 2 \quad 8
 \end{array}$$

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

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

Exercise 2C

1. In an exam, students passed = 56,321

Number of failures = 16,758

Total number of students = 73,079

$$\begin{array}{r}
 \textcircled{1} \\
 5 \quad 6 \quad 3 \quad 2 \quad 1 \\
 + 1 \quad 6 \quad 7 \quad 5 \quad 8 \\
 \hline
 7 \quad 3 \quad 0 \quad 7 \quad 9
 \end{array}$$

2. Mr Pandey earned last month = ₹68,290

He earned this month = ₹89,750

Total earning in 2 months = ₹1,58,040

$$\begin{array}{r}
 \textcircled{1} \textcircled{1} \textcircled{1} \\
 ₹ \quad 6 \quad 8 \quad 2 \quad 9 \quad 0 \\
 + ₹ \quad 8 \quad 9 \quad 7 \quad 5 \quad 0 \\
 \hline
 ₹ \quad 1 \quad 5 \quad 8 \quad 0 \quad 4 \quad 0
 \end{array}$$

3. Manav's income in the year 2020 was = ₹4,15,780

In 2021, his income exceeded = ₹79,200

His income in 2021 was = ₹4,94,980

Total earning in 2 years = ₹9,10,760

$$\begin{array}{r}
 \textcircled{1} \\
 ₹ \quad 4 \quad 1 \quad 5 \quad 7 \quad 8 \quad 0 \\
 + ₹ \quad 7 \quad 9 \quad 2 \quad 0 \quad 0 \\
 \hline
 ₹ \quad 4 \quad 9 \quad 4 \quad 9 \quad 8 \quad 0
 \end{array}$$

$$\begin{array}{r}
 \textcircled{1} \textcircled{1} \textcircled{1} \textcircled{1} \\
 ₹ \quad 4 \quad 1 \quad 5 \quad 7 \quad 8 \quad 0 \\
 + ₹ \quad 4 \quad 9 \quad 4 \quad 9 \quad 8 \quad 0 \\
 \hline
 ₹ \quad 9 \quad 1 \quad 0 \quad 7 \quad 6 \quad 0
 \end{array}$$

4. In an election, valid votes = 28,929

Invalid votes = 4,031

Persons who did not vote = 1,850

Total voters registered in all = 34,810

$$\begin{array}{r}
 \textcircled{1} \textcircled{1} \textcircled{1} \textcircled{1} \\
 2 \quad 8 \quad 9 \quad 2 \quad 9 \\
 4 \quad 0 \quad 3 \quad 1 \\
 + 1 \quad 8 \quad 5 \quad 0 \\
 \hline
 3 \quad 4 \quad 8 \quad 1 \quad 0
 \end{array}$$

5. (b) (Anurag walks = $65,793 + 12,654 = 78,447$ steps)

6. (d) (In June – $12,675 + 6,800 = 19,475$)

Total people visited in May and June = $19,475 + 12,675 = 32,150$ people)

Exercise 2D

- $35 + 67 = \underline{67} + \underline{35}$
- $378 + 894 = \underline{894} + \underline{378}$
- $889 + 0 = \underline{889}$
- $0 + \underline{6592} = 6592 + \underline{0}$
- $7634 + 3210 = \underline{3210} + 7634$
- $(7689 + 9452) + 7146 = 7689 + (\underline{9452} + 7146)$
- $8619 + (7364 + 1097) = (8619 + 7364) + \underline{1097}$

Class Work (Page 37)

$$\begin{array}{r} \text{Th H T O} \\ \textcircled{5} \textcircled{14} \textcircled{11} \textcircled{15} \\ \cancel{8} \cancel{8} \cancel{2} \cancel{8} \\ - 3 \ 8 \ 7 \ 6 \\ \hline 2 \ 6 \ 4 \ 9 \end{array}$$

$$\begin{array}{r} \text{Th H T O} \\ \textcircled{6} \textcircled{13} \textcircled{14} \textcircled{12} \\ \cancel{7} \cancel{4} \cancel{8} \cancel{2} \\ - 2 \ 5 \ 9 \ 3 \\ \hline 4 \ 8 \ 5 \ 9 \end{array}$$

$$\begin{array}{r} \text{Th H T O} \\ \textcircled{6} \textcircled{9} \textcircled{9} \textcircled{12} \\ \cancel{7} \cancel{8} \cancel{8} \cancel{2} \\ - 4 \ 6 \ 2 \ 8 \\ \hline 2 \ 3 \ 7 \ 4 \end{array}$$

Exercise 2E

$$\begin{array}{r} \text{(a)} \quad 8 \ 6 \ 3 \ 2 \\ - 3 \ 4 \ 3 \ 1 \\ \hline 5 \ 2 \ 0 \ 1 \end{array}$$

$$\begin{array}{r} \text{(b)} \quad \textcircled{5} \textcircled{14} \\ 6 \cancel{8} \cancel{4} \ 7 \\ - 3 \ 2 \ 7 \ 5 \\ \hline 3 \ 3 \ 7 \ 2 \end{array}$$

$$\begin{array}{r} \text{(c)} \quad \textcircled{8} \textcircled{9} \textcircled{10} \\ 8 \cancel{8} \cancel{8} \cancel{8} \\ - 6 \ 5 \ 2 \ 5 \\ \hline 2 \ 3 \ 7 \ 5 \end{array}$$

$$\begin{array}{r} \text{(d)} \quad \textcircled{8} \textcircled{9} \textcircled{10} \\ \cancel{8} \cancel{8} \cancel{8} \ 7 \\ - 5 \ 1 \ 3 \ 6 \\ \hline 3 \ 8 \ 7 \ 1 \end{array}$$

$$\begin{array}{r} \text{(a)} \quad \textcircled{1} \\ 3 \ 4 \ 1 \ 9 \\ + 5 \ 7 \ 3 \ 0 \\ \hline 9 \ 1 \ 4 \ 9 \end{array} \quad \begin{array}{r} \textcircled{8} \textcircled{11} \\ \cancel{8} \cancel{4} \ 4 \ 9 \\ - 4 \ 9 \ 1 \ 8 \\ \hline 4 \ 2 \ 3 \ 1 \end{array}$$

$$\begin{array}{r} \text{(b)} \quad \textcircled{1} \textcircled{1} \\ 3 \ 5 \ 7 \ 0 \\ + 4 \ 8 \ 7 \ 5 \\ \hline 8 \ 4 \ 4 \ 5 \end{array} \quad \begin{array}{r} \textcircled{7} \textcircled{13} \textcircled{13} \textcircled{15} \\ \cancel{8} \cancel{4} \cancel{4} \cancel{8} \\ - 4 \ 9 \ 8 \ 7 \\ \hline 3 \ 4 \ 5 \ 8 \end{array}$$

$$\begin{array}{r} \text{(c)} \quad \textcircled{1} \\ 8 \ 0 \ 3 \ 9 \\ + 9 \ 4 \ 7 \\ \hline 8 \ 9 \ 8 \ 6 \end{array} \quad \begin{array}{r} \textcircled{8} \textcircled{18} \\ 8 \cancel{8} \cancel{8} \ 6 \\ - 6 \ 5 \ 9 \ 3 \\ \hline 2 \ 3 \ 9 \ 3 \end{array}$$

- Total students = 4020
Students attending online classes = 3857
Students who did not join classes = 163
- A shopkeeper had greeting cards = 2685
He ordered more cards = 1500
Total cards = 4185
He sold cards = 2948
Cards left in the shop = 1237

$$\begin{array}{r} \textcircled{3} \textcircled{9} \textcircled{11} \textcircled{10} \\ \cancel{4} \cancel{8} \cancel{2} \cancel{8} \\ - 3 \ 8 \ 5 \ 7 \\ \hline 1 \ 6 \ 3 \end{array}$$

$$\begin{array}{r} \textcircled{1} \\ 2 \ 6 \ 8 \ 5 \\ + 1 \ 5 \ 0 \ 0 \\ \hline 4 \ 1 \ 8 \ 5 \end{array}$$

$$\begin{array}{r} \textcircled{3} \textcircled{11} \textcircled{7} \textcircled{15} \\ \cancel{4} \cancel{4} \cancel{8} \cancel{8} \\ - 2 \ 9 \ 4 \ 8 \\ \hline 1 \ 2 \ 3 \ 7 \end{array}$$

$$5. \text{ (a) } (7036 - 3168 = 3868)$$

$$6. \text{ (d) } (6000 - 3624 = 2376)$$

Exercise 2F

$$\begin{array}{r} 1. \quad 2 \ 5 \ 9 \ 6 \ 3 \\ - 1 \ 4 \ 7 \ 0 \ 2 \\ \hline 1 \ 1 \ 2 \ 6 \ 1 \end{array}$$

$$\begin{array}{r} 2. \quad 8 \ 7 \ 6 \ 0 \ 9 \ 2 \\ - 2 \ 3 \ 5 \ 0 \ 7 \ 1 \\ \hline 6 \ 4 \ 1 \ 0 \ 2 \ 1 \end{array}$$

$$\begin{array}{r} 3. \quad \textcircled{7} \textcircled{10} \textcircled{13} \textcircled{6} \textcircled{12} \\ \cancel{8} \cancel{4} \cancel{3} \cancel{7} \cancel{2} \\ - 6 \ 9 \ 6 \ 5 \ 4 \\ \hline 1 \ 1 \ 7 \ 1 \ 8 \end{array}$$

$$\begin{array}{r}
 \textcircled{8} \textcircled{11} \textcircled{2} \textcircled{9} \textcircled{16} \\
 \cancel{9} \cancel{11} \cancel{2} \cancel{9} \cancel{16} 4 \\
 - 521873 \\
 \hline
 391191
 \end{array}$$

$$\begin{array}{r}
 \textcircled{6} \textcircled{9} \textcircled{9} \textcircled{9} \textcircled{10} \\
 \cancel{7} \cancel{8} \cancel{8} \cancel{8} \cancel{8} \\
 - 50999 \\
 \hline
 19001
 \end{array}$$

$$\begin{array}{r}
 \textcircled{5} \textcircled{17} \textcircled{9} \textcircled{12} \textcircled{9} \textcircled{17} \\
 \cancel{6} \cancel{8} \cancel{8} \cancel{2} \cancel{8} \cancel{7} \\
 - 395478 \\
 \hline
 284829
 \end{array}$$

Class Work (Page 40)

$$\begin{array}{r}
 \textcircled{1} \textcircled{1} \textcircled{1} \\
 27895 \\
 + 19652 \\
 \hline
 47547
 \end{array}$$

$$\begin{array}{r}
 \textcircled{6} \textcircled{14} \textcircled{13} \textcircled{17} \\
 4 \cancel{7} \cancel{8} \cancel{4} \cancel{7} \\
 - 46978 \\
 \hline
 569
 \end{array}$$

$$\begin{array}{r}
 \textcircled{1} \textcircled{1} \textcircled{1} \textcircled{1} \\
 362324 \\
 + 345896 \\
 \hline
 708220
 \end{array}$$

$$\begin{array}{r}
 \textcircled{6} \textcircled{9} \textcircled{17} \textcircled{11} \textcircled{11} \textcircled{10} \\
 \cancel{7} \cancel{8} \cancel{8} \cancel{2} \cancel{2} \cancel{8} \\
 - 328947 \\
 \hline
 379273
 \end{array}$$

$$\begin{array}{r}
 \textcircled{1} \textcircled{1} \textcircled{1} \\
 653218 \\
 + 88402 \\
 \hline
 741620
 \end{array}$$

$$\begin{array}{r}
 \textcircled{3} \textcircled{11} \textcircled{5} \textcircled{11} \textcircled{10} \\
 7 \cancel{4} \cancel{7} \cancel{8} \cancel{2} \cancel{8} \\
 - 428561 \\
 \hline
 313059
 \end{array}$$

$$\begin{array}{r}
 \textcircled{1} \textcircled{1} \textcircled{1} \\
 489318 \\
 + 29348 \\
 \hline
 518666
 \end{array}$$

$$\begin{array}{r}
 \textcircled{4} \textcircled{11} \textcircled{7} \textcircled{15} \textcircled{15} \textcircled{16} \\
 \cancel{5} \cancel{1} \cancel{8} \cancel{6} \cancel{6} \cancel{8} \\
 - 51678 \\
 \hline
 466988
 \end{array}$$

Exercise 2G

- Money deposited on Monday = ₹57,320
Money deposited on Tuesday = ₹8,975
Money deposited on Wednesday = ₹6,895
Total money deposited = ₹73,190

$$\begin{array}{r}
 \textcircled{2} \textcircled{2} \textcircled{1} \textcircled{1} \\
 ₹ 57320 \\
 ₹ 8975 \\
 + ₹ 6895 \\
 \hline
 ₹ 73190
 \end{array}$$

Money withdrawn on Thursday = ₹25,980
Balance in bank account = ₹47,210

$$\begin{array}{r}
 \textcircled{6} \textcircled{12} \textcircled{11} \\
 ₹ \cancel{7} \cancel{8} \cancel{8} 90 \\
 - ₹ 25980 \\
 \hline
 ₹ 47210
 \end{array}$$

- Mrs Sinha earned in 2 years = ₹6,57,360
In one year, she earned = ₹3,14,490
She earned in the other year = ₹3,42,870

$$\begin{array}{r}
 \textcircled{6} \textcircled{12} \textcircled{16} \\
 ₹ 657360 \\
 - ₹ 314490 \\
 \hline
 ₹ 342870
 \end{array}$$

- Total number of men, women and children = 99,358
Number of men = 40,286
Number of women = 39,350
Total number of men and women = 79,636
Number of children = 19,722

$$\begin{array}{r}
 \textcircled{1} \\
 40286 \\
 + 39350 \\
 \hline
 79636
 \end{array}$$

$$\begin{array}{r}
 \textcircled{8} \textcircled{18} \textcircled{13} \\
 \cancel{8} \cancel{8} \cancel{8} 58 \\
 - 79636 \\
 \hline
 19722
 \end{array}$$

- Votes polled in favour of one candidate = 39,862
Invalid votes = 2,974
Votes polled in favour of one candidate and invalid votes = 42,836

$$\begin{array}{r}
 \textcircled{1} \textcircled{1} \textcircled{1} \\
 39862 \\
 + 2974 \\
 \hline
 42836
 \end{array}$$

Total votes polled = 78,475

Votes polled in favour of the other candidate = 35,639

$$\begin{array}{r} \textcircled{7} \textcircled{14} \textcircled{6} \textcircled{15} \\ 7 \cancel{8} \cancel{4} \cancel{7} \cancel{8} \\ - 4 \ 2 \ 8 \ 3 \ 6 \\ \hline 3 \ 5 \ 6 \ 3 \ 9 \end{array}$$

$$\begin{array}{r} \textcircled{2} \textcircled{14} \textcircled{9} \textcircled{9} \textcircled{10} \\ \cancel{3} \cancel{5} \cancel{0} \cancel{0} \cancel{0} \\ - 2 \ 9 \ 4 \ 2 \ 5 \\ \hline 5 \ 5 \ 7 \ 5 \end{array}$$

5. Delhi airport handled flights in a month = 35,000

Mumbai airport handled in same month = 29,425

Difference in flights = 5,575

6. (b) $(95,328 - 38,567 = 56,761)$

7. (c) $(1,00,000 - 89,234 = 10,766)$

8. (c) $(₹18,899 - ₹1099 - ₹500 = ₹17,300)$

Exercise 2H

$$\begin{array}{l} \text{1. (a) } \begin{array}{r} 6 \ 8 \rightarrow 7 \ 0 \\ + 8 \ 2 \rightarrow + 8 \ 0 \\ \hline 1 \ 5 \ 0 \end{array} \quad \text{(b) } \begin{array}{r} 6 \ 3 \ 5 \rightarrow 6 \ 0 \ 0 \\ + 2 \ 8 \ 7 \rightarrow + 3 \ 0 \ 0 \\ \hline 9 \ 0 \ 0 \end{array} \quad \text{(c) } \begin{array}{r} 8 \ 2 \ 7 \ 4 \rightarrow 8 \ 0 \ 0 \ 0 \\ + 8 \ 6 \ 3 \ 4 \rightarrow + 9 \ 0 \ 0 \ 0 \\ \hline 1 \ 7 \ 0 \ 0 \ 0 \end{array} \end{array}$$

$$\begin{array}{l} \text{(d) } \begin{array}{r} 4 \ 9 \rightarrow 5 \ 0 \\ - 2 \ 2 \rightarrow - 2 \ 0 \\ \hline 3 \ 0 \end{array} \quad \text{(e) } \begin{array}{r} 9 \ 8 \ 5 \rightarrow 1 \ 0 \ 0 \ 0 \\ - 4 \ 2 \ 9 \rightarrow - 4 \ 0 \ 0 \\ \hline 6 \ 0 \ 0 \end{array} \quad \text{(f) } \begin{array}{r} 6 \ 8 \ 5 \ 1 \rightarrow 7 \ 0 \ 0 \ 0 \\ - 3 \ 2 \ 1 \ 6 \rightarrow - 3 \ 0 \ 0 \ 0 \\ \hline 4 \ 0 \ 0 \ 0 \end{array} \end{array}$$

$$\begin{array}{l} \text{2. Cost of sweater = ₹ 1 8 5 3} \rightarrow ₹ 2 \ 0 \ 0 \ 0 \\ \text{Cost of shoes = + ₹ 1 2 5 0} \rightarrow + ₹ 1 \ 0 \ 0 \ 0 \\ \text{Total cost = ₹ 3 1 0 3} \quad \text{Actual cost} \quad ₹ 3 \ 0 \ 0 \ 0 \quad \text{Estimated cost} \end{array}$$

$$\begin{array}{l} \text{3. Cost of chair = ₹ 8 6 7 5} \rightarrow ₹ 9 \ 0 \ 0 \ 0 \\ \text{Cost of table = - ₹ 5 3 7 5} \rightarrow - ₹ 5 \ 0 \ 0 \ 0 \\ \text{Diff. in cost = ₹ 3 3 0 0} \quad \text{Actual difference} \quad ₹ 4 \ 0 \ 0 \ 0 \quad \text{Estimated difference} \end{array}$$

4. (a) (Estimated copies = $8000 - 5000 = 3000$)

Mental Maths

1. Sum of smallest 6-digit number and greatest 5-digit number = $1,00,000 + 99,999 = 1,99,999$

2. Next number in the sequence 1900, 1700, 1500, 1300, 1100

3. 3 more than 99,997 = $99,997 + 3 = 1,00,000$

$$\begin{array}{r} \text{4. } \begin{array}{r} 2 \ 1 \ 5 \rightarrow 2 \ 0 \ 0 \\ + 4 \ 7 \ 9 \rightarrow + 5 \ 0 \ 0 \\ \hline 7 \ 0 \ 0 \end{array} \end{array}$$

$$\begin{array}{l} \text{5. Alka had money = ₹ 5 0 0 0} \rightarrow ₹ 5 \ 0 \ 0 \ 0 \\ \text{She bought groceries = - ₹ 3 8 9 4} \rightarrow - ₹ 4 \ 0 \ 0 \ 0 \\ \text{Money left with her = ₹ 1000} \quad ₹ 1 \ 0 \ 0 \ 0 \end{array}$$

Chapter Test

- (a) $74,000 + 11,000 = \underline{85,000}$.
 - (b) $45,000 - 36,000 = \underline{9,000}$
 - (c) The successor of $39,000 + 999$ ($39,999 + 1 = 40,000$) = Forty thousand
 - (d) $(1617 + 7895) + \underline{3692} = 1617 + (\underline{7895} + 3692)$
 - (e) Estimated difference of 6815 and 3495 is $(7000 - 3000) = \underline{4,000}$
- (a) $5963 - 0 = 5963$ - True
 - (b) 7 thousands > 6 thousands + 100 tens - False
 - (c) The sum of an even 5-digit number and an odd 5-digit number is odd. - False
 - (d) The difference of the smallest 5-digit number and the smallest 2-digit number is 9989. - False
 - (e) The estimated sum of 2493 and 4815 is 7000. - True
- (a)
$$\begin{array}{r} \textcircled{1} \textcircled{2} \textcircled{1} \textcircled{1} \\ 4 \ 8 \ 9 \ 3 \ 5 \\ 2 \ 6 \ 5 \ 4 \ 5 \\ + 1 \ 3 \ 8 \ 2 \ 6 \\ \hline 8 \ 9 \ 3 \ 0 \ 6 \end{array}$$
 - (b)
$$\begin{array}{r} \textcircled{1} \textcircled{1} \textcircled{2} \textcircled{1} \textcircled{2} \\ 7 \ 0 \ 8 \ 9 \ 5 \\ 1 \ 8 \ 3 \ 5 \ 6 \ 9 \\ + 2 \ 0 \ 7 \ 6 \ 2 \ 8 \\ \hline 4 \ 6 \ 2 \ 0 \ 9 \ 2 \end{array}$$
 - (c)
$$\begin{array}{r} \textcircled{5} \textcircled{11} \textcircled{10} \textcircled{9} \textcircled{13} \\ \cancel{6} \cancel{2} \cancel{1} \cancel{0} \cancel{3} \\ - 5 \ 9 \ 3 \ 4 \ 7 \\ \hline 2 \ 7 \ 5 \ 6 \end{array}$$
 - (d)
$$\begin{array}{r} \textcircled{8} \textcircled{10} \textcircled{0} \textcircled{17} \\ 3 \ 7 \ \cancel{9} \ \cancel{0} \ \cancel{1} \ \cancel{7} \\ - 1 \ 3 \ 6 \ 8 \ 0 \ 9 \\ \hline 2 \ 4 \ 2 \ 2 \ 0 \ 8 \end{array}$$
- In an election, Mr Sharma got votes = 18,675
 Mr Verma got more votes = 2,455
 Mr Verma got votes = 21,130
- Depth of Mariana Trench = 11,033 m
 Depth of Java Trench = 7,725 m
 Diff. in depth = 3308 m
- Persons visited the statue on Friday = 12,458
 Persons visited the statue on Saturday = 19,450
 Total persons who visited on Friday and Saturday = 31,908

Persons who visited on Friday, Saturday and Sunday = 50,832
 Persons who visited on Friday and Saturday = 31,908
 Persons who visited on Sunday = 18,924
- (b) $(\text{₹}4,86,740 + \text{₹}89,580 = \text{₹}5,76,320)$
- (a) $(85,430 + 30,458 = 1,15,888)$
- (c)
- (b) $\{11560 - (3750 + 4390) = 11560 - 8140 = 3420\}$

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

$$\begin{array}{r} \textcircled{0} \textcircled{10} \textcircled{10} \textcircled{2} \textcircled{13} \\ \cancel{1} \cancel{1} \cancel{0} \cancel{2} \cancel{3} \text{ m} \\ - 7 \ 7 \ 2 \ 5 \text{ m} \\ \hline 3 \ 3 \ 0 \ 8 \text{ m} \end{array}$$

$$\begin{array}{r} \textcircled{1} \textcircled{1} \\ 1 \ 2 \ 4 \ 5 \ 8 \\ + 1 \ 9 \ 4 \ 5 \ 0 \\ \hline 3 \ 1 \ 9 \ 0 \ 8 \end{array}$$

$$\begin{array}{r} \textcircled{4} \textcircled{9} \textcircled{18} \textcircled{2} \textcircled{12} \\ \cancel{5} \cancel{0} \cancel{8} \cancel{2} \cancel{2} \\ - 3 \ 1 \ 9 \ 0 \ 8 \\ \hline 1 \ 8 \ 9 \ 2 \ 4 \end{array}$$