

Chapter – 1 Large Numbers

A. Write the numbers in standard figures.

1. Four thousand seven hundred twenty-six
2. Thousand one hundred five
3. Eight thousand three hundred
4. Nine thousand ninety-nine

Answers:

1. 4,726
2. 1,105
3. 8,300
4. 9,099

B. Write the number names.

1. 3,450 = _____
2. 7,018 = _____
3. 5,900 = _____
4. 2,643 = _____

Answers:

1. Three thousand four hundred fifty
2. Seven thousand eighteen
3. Five thousand nine hundred
4. Two thousand six hundred forty-three

C. Write the missing numbers.

1. 4,321 ; _____ ; 4,323 ; _____ ; 4,325
2. _____ ; _____ ; 8,100 ; 8,101 ; _____
3. 5,688 ; 5,689 ; _____ ; _____ ; 5,692

Answers:

1. 4,322 ; 4,324

2. 8,098 ; 8,099 ; 8,102

3. 5,690 ; 5,691

Place Value and Face Value

D. Write the place value of the underlined digit.

1. 5,712 _____

2. 9,304 _____

3. 1,468 _____

4. 8,253 _____

Answers:

1. 700 (or 7 hundreds)

2. 9,000 (or 9 thousands)

3. 60 (or 6 tens)

4. 3 (or 3 ones)

E. Write in standard form.

1. $6,000 + 400 + 30 + 5 =$ _____

2. $9,000 + 80 + 2 =$ _____

3. $4,000 + 700 + 6 =$ _____

4. $1,000 + 100 + 10 + 1 =$ _____

Answers:

1. 6,435

2. 9,082

3. 4,706

4. 1,111

F. Write in expanded form.

1. 3,852 = _____

2. 7,045 = _____

3. 9,601 = _____

4. $5,320 =$ _____

Answers:

1. $3,000 + 800 + 50 + 2$

2. $7,000 + 40 + 5$

3. $9,000 + 600 + 1$

4. $5,000 + 300 + 20$

Comparing and Ordering Numbers

G. Compare using >, <, or =.

1. 452 _____ 254

2. $2,089$ _____ $2,098$

3. $7,631$ _____ $7,631$

4. $5,310$ _____ 531

Answers:

1. $>$

2. $<$

3. $=$

4. $>$

H. Arrange the numbers in ascending order.

1. $3,425$ $1,299$ $4,001$ $2,850$

2. $6,540$ $6,450$ $6,045$ $6,504$

Answers:

1. $1,299 < 2,850 < 3,425 < 4,001$

2. $6,045 < 6,450 < 6,504 < 6,540$

I. Arrange the numbers in descending order.

1. $5,123$ $8,956$ $4,310$ $7,620$

1. $456 + 1 =$ _____
2. $899 + 1 =$ _____
3. $230 + 0 =$ _____
4. $400 + 50 =$ _____
5. $700 + 65 =$ _____
6. What is 1 more than 3,459? _____
7. Change the order and fill in the blank: $18 + 23 = 23 +$ _____
8. $5,000 + 300 + 20 + 7 =$ _____
9. $1,200 + 10 =$ _____
10. What is the sum of 0 and 9,999? _____

Answers:

1. 457
2. 900
3. 230
4. 450
5. 765
6. 3,460
7. 18
8. 5,327
9. 1,210
10. 9,999

B. Simple Addition (No Carry Over)

Find the sum of the following numbers.

1. $432 + 251 =$ _____
2. $615 + 372 =$ _____
3. $504 + 193 =$ _____
4. $726 + 241 =$ _____

5. $3412 + 5263 =$ _____
6. $1605 + 7182 =$ _____
7. $4237 + 2540 =$ _____
8. $8144 + 1735 =$ _____
9. $2351 + 4126 =$ _____
10. $6523 + 3344 =$ _____

Answers:

1. 683
2. 987
3. 697
4. 967
5. 8,675
6. 8,787
7. 6,777
8. 9,879
9. 6,477
10. 9,867

C. Addition with Regrouping (Carry Over)

Find the sum of the following numbers.

1. $257 + 136 =$ _____
2. $485 + 369 =$ _____
3. $678 + 245 =$ _____
4. $394 + 458 =$ _____
5. $1476 + 1685 =$ _____
6. $3549 + 2783 =$ _____
7. $5826 + 1394 =$ _____
8. $2967 + 4857 =$ _____

9. $6158 + 2974 =$ _____

10. $4783 + 3649 =$ _____

Answers:

1. 393

2. 854

3. 923

4. 852

5. 3,161

6. 6,332

7. 7,220

8. 7,824

9. 9,132

10. 8,432

Application of Addition in Real Life (Word Problems)

Problem 1: A factory produced 1,425 toy cars on Monday and 2,350 toy cars on Tuesday. How many toy cars did the factory produce in total over the two days?

Ans 1:

Number of toy cars produced on Monday = 1,425

Number of toy cars produced on Tuesday = 2,350

\therefore Total toy cars produced = $1,425 + 2,350 = 3,775$

Problem 2: In a school library, there are 3,240 English storybooks and 1,518 Hindi storybooks. Find the total number of storybooks available in the library.

Ans 2:

Number of English storybooks = 3,240

Number of Hindi storybooks = 1,518

\therefore Total number of storybooks = $3,240 + 1,518 = 4,758$

Problem 3: A farmer harvested 4,560 kg of wheat this year and 3,895 kg of wheat last year. Find the total amount of wheat harvested in both years together.

Ans 3:

Amount of wheat harvested this year = 4,560 kg

Amount of wheat harvested last year = 3,895 kg

∴ Total amount of wheat harvested = $4,560 + 3,895 = 8,455$ kg

Problem 4: An online store delivered 2,185 packages in morning shifts and 1,742 packages in evening shifts. How many packages did they deliver in total?

Ans 4:

Number of packages delivered in morning = 2,185

Number of packages delivered in evening = 1,742

∴ Total packages delivered = $2,185 + 1,742 = 3,927$

Problem 5: A poultry farm sold 5,630 eggs in the first week of the month and 3,285 eggs in the second week. How many eggs were sold altogether?

Ans 5:

Eggs sold in the first week = 5,630

Eggs sold in the second week = 3,285

∴ Total number of eggs sold = $5,630 + 3,285 = 8,915$

Problem 6: Mr. Sharma paid 3,450 Rupees for a new bicycle and 1,280 Rupees for a safety gear kit. How much total money did he spend?

Ans 6:

Money spent on a bicycle = 3,450

Money spent on a safety kit = 1,280

∴ Total money spent = $3,450 + 1,280 = 4,730$

Problem 7: In a primary school, there are 1,124 boys and 1,065 girls. What is the total strength of students in the school?

Ans 7:

Number of boys in the school = 1,124

Number of girls in the school = 1,065

∴ Total strength of students = $1,124 + 1,065 = 2,189$

Problem 8: A dairy booth distributed 675 liters of milk on Saturday and 845 liters of milk on Sunday. How many liters of milk did it distribute in total over the weekend?

Ans 8:

Milk distributed on Saturday = 675

Milk distributed on Sunday = 845

\therefore Total milk distributed = $675 + 845 = 1,520$

Problem 9: A cricket player scored 4,235 runs in one-day matches and 3,890 runs in test matches. How many runs did he score altogether?

L Ans 9:

Runs scored in one-day matches = 4,235

Runs scored in test matches = 3,890

\therefore Total runs scored together = $4,235 + 3,890 = 8,125$

Problem 10: There are 2,570 men, 1,845 women, and 920 children living in a residential colony. Find the total population of the colony.

Ans 10:

Number of men living in the colony = 2,570

Number of women living in the colony = 1,845

Number of children living in the colony = 920

\therefore Total population of the colony = $2,570 + 1,845 + 920 = 5,335$

Case Study: The School Library

The school library bought new books for the primary section. They ordered 240 cartoon books and 150 science books. The librarian also bought 100 bookmark cards to hand out to the students.

Based on this story, answer these simple questions:

1. How many cartoon books did the library buy? _____

2. What is the total number of books (cartoon and science) ordered for the section?

3. If the librarian buys 1 more science book, how many science books will there be in total? _____

4. Complete the pattern fact: $240 + 150 = 150 +$ _____

5. If 0 science books are damaged, how many science books are left? _____

Answers:

1. 240

2. 390 ($240 + 150 = 390$)

3. 151 ($150 + 1 = 151$)

4. 240

5. 150 ($150 - 0 = 150$)

Chapter - 3 Subtraction

A. Do as Directed

(Solve these mental math and basic subtraction questions.)

1. $456 - 1 =$ _____

2. $800 - 1 =$ _____

3. $675 - 0 =$ _____

4. $350 - 50 =$ _____

5. $985 - 80 =$ _____

6. What is 1 less than 2,340? _____

7. Fill the missing balance: If $45 + 20 = 65$, then $65 - 45 =$ _____

8. $4,800 - 100 =$ _____

9. $5,555 - 555 =$ _____

10. What is the difference when 0 is subtracted from 7,321? _____

Answers:

1. 455

2. 799

3. 675

4. 300
5. 905
6. 2,339
7. 20
8. 4,700
9. 5,000
10. 7,321

B. Simple Subtraction (No Borrowing)

Find the difference between the following numbers.

1. $548 - 231 =$ _____
2. $769 - 425 =$ _____
3. $894 - 160 =$ _____
4. $657 - 347 =$ _____
5. $4892 - 1560 =$ _____
6. $7945 - 3623 =$ _____
7. $6834 - 2511 =$ _____
8. $9576 - 4342 =$ _____
9. $3758 - 1234 =$ _____
10. $8495 - 5172 =$ _____

Answers:

1. 317
2. 344
3. 734
4. 310
5. 3,332
6. 4,322
7. 4,323

8. 5,234

9. 2,524

10. 3,323

C. Subtraction with Regrouping (Borrowing)

(Find the difference between the following numbers.)

1. $462 - 135 =$ _____

2. $613 - 284 =$ _____

3. $725 - 469 =$ _____

4. $504 - 238 =$ _____

5. $3425 - 1682 =$ _____

6. $5163 - 2784 =$ _____

7. $7340 - 4591 =$ _____

8. $8000 - 3425 =$ _____

9. $6215 - 2847 =$ _____

10. $9132 - 5476 =$ _____

Answers:

1. 327

2. 329

3. 256

4. 266

5. 1,743

6. 2,379

7. 2,749

8. 4,575

9. 3,368

10. 3,656

D. Mixed Operations

Solve these combination problems. Look closely at the signs to see whether to add or subtract first!

1. $456 + 678 - 368 =$ _____

2. $895 - 432 + 215 =$ _____

3. $678 - 245 + 130 =$ _____

4. $345 + 712 - 534 =$ _____

5. $680 + 145 - 299 =$ _____

6. $540 - 180 + 325 =$ _____

7. $4320 - 2110 + 1540 =$ _____

8. $1250 + 3420 - 2160 =$ _____

9. $7850 - 3400 + 2125 =$ _____

10. $3999 + 1001 - 2500 =$ _____

Answers:

1. 766 (Addition first: $456 + 678 = 1134$; then $1134 - 368 = 766$)

2. 678 (Subtraction first: $895 - 432 = 463$; then $463 + 215 = 678$)

3. 563 (Subtraction first: $678 - 245 = 433$; then $433 + 130 = 563$)

4. 523 (Addition first: $345 + 712 = 1057$; then $1057 - 534 = 523$)

5. 526 (Addition first: $680 + 145 = 825$; then $825 - 299 = 526$)

6. 685 (Subtraction first: $540 - 180 = 360$; then $360 + 325 = 685$)

7. 3,750 (Subtraction first: $4320 - 2110 = 2210$; then $2210 + 1540 = 3750$)

8. 2,510 (Addition first: $1250 + 3420 = 4670$; then $4670 - 2160 = 2510$)

9. 6,575 (Subtraction first: $7850 - 3400 = 4450$; then $4450 + 2125 = 6575$)

10. 2,500 (Addition first: $3999 + 1001 = 5000$; then $5000 - 2500 = 2500$)

Application of Subtraction in Real Life (Word Problems)

Problem 1: A bakery made 1,850 cupcakes in the morning. By evening, they had sold 1,240 cupcakes. How many cupcakes were left unsold?

Ans 1:

Number of cupcakes made in the morning = 1,850

Number of cupcakes sold by evening = 1,240

∴ Number of cupcakes left unsold = $1,850 - 1,240 = 610$

Problem 2: A water tank can hold 4,500 liters of water. If it currently contains 2,150 liters of water, how much more water is needed to fill the tank completely?

Ans 2:

Total capacity of the water tank = 4,500 liters

Water currently inside the tank = 2,150 liters

∴ More water needed to fill the tank = $4,500 - 2,150 = 2,350$ liters

Problem 3: An electronics shop had 3,845 smartphones in stock. During a festival sale, they sold 2,910 smartphones. How many smartphones are still left in the shop?

Ans 3:

Number of smartphones in stock = 3,845

Number of smartphones sold = 2,910

∴ Number of smartphones left = $3,845 - 2,910 = 935$

Problem 4: The distance between City A and City B is 5,680 kilometers. A traveler has already covered 3,420 kilometers of the journey. How much distance is still remaining?

Ans 4:

Total distance between the cities = 5,680 kilometers

Distance already covered = 3,420 kilometers

∴ Remaining distance to cover = $5,680 - 3,420 = 2,260$ kilometers

Problem 5: A factory set a target to manufacture 7,500 bicycles in a month. If they have managed to build 4,825 bicycles so far, how many more bicycles do they need to make to hit their target?

Ans 5:

Target number of bicycles = 7,500

Bicycles manufactured so far = 4,825

∴ More bicycles needed to hit the target = $7,500 - 4,825 = 2,675$

Problem 6: Mr. Kapoor had 9,250 Rupees in his bank account. He withdrew 4,500 Rupees to pay his monthly utility bills. How much balance is left in his account?

Ans 6:

Total money in the bank account = 9,250

Money withdrawn for utility bills = 4,500

∴ Balance left in the account = $9,250 - 4,500 = 4,750$

Problem 7: A stadium has a total seating capacity of 8,900 people. During a weekend football match, 6,450 spectators came to watch. How many seats remained vacant?

Ans 7:

Total seating capacity of the stadium = 8,900

Number of spectators present = 6,450

∴ Number of vacant seats = $8,900 - 6,450 = 2,450$

Problem 8: A large dairy cooperative collected 6,345 liters of milk from local farmers. They distributed 4,890 liters to city distribution booths. How many liters of milk remained with the cooperative?

Ans 8:

Total milk collected from farmers = 6,345 liters

Milk distributed to city booths = 4,890 liters

∴ Milk remaining with the cooperative = $6,345 - 4,890 = 1,455$ liters

Problem 9: In a major cricket tournament, Rohit scored 2,540 runs across his career, while Virat scored 4,115 runs. How many more runs did Virat score than Rohit?

Ans 9:

Runs scored by Virat = 4,115

Runs scored by Rohit = 2,540

∴ Extra runs scored by Virat = $4,115 - 2,540 = 1,575$

Problem 10: The total population of a residential colony is 5,830 people. If there are 3,450 adult residents, how many children live in the colony?

Ans 10:

Total population of the colony = 5,830

Number of adult residents = 3,450

∴ Number of children living in the colony = $5,830 - 3,450 = 2,380$

Case Study: The Toy Shop

A small toy shop had 450 teddy bears in stock for the weekend sale. By Sunday evening, the shopkeeper had sold 120 of those teddy bears to customers.

Based on this story, answer these simple questions:

1. How many total teddy bears did the shop have at the start? _____
2. How many teddy bears were sold during the weekend sale? _____
3. How many teddy bears are still left unsold in the shop? _____
4. What is 1 less than the total number of teddy bears the shop started with?

5. Complete the matching addition check: $330 + 120 =$ _____

Answers:

1. 450
2. 120
3. 330 ($450 - 120 = 330$)
4. 449 ($450 - 1 = 449$)
5. 450