SUBTRACTION

I Know

- Subtraction of one, two, three and four-digit numbers with and without regrouping.

Learning Goals

I will be able to:

- subtract five-digit and six-digit numbers with and without regrouping.
- solve real-life application problems involving subtraction.

Getting Ready

Rahul has ₹ 2500. He wants to buy a bag which costs ₹ 1500 and a pair of shoes which costs ₹ 1400.

Help Rahul to find out:

- How much money will be left with him after buying the bag? Is the money sufficient to buy a pair of shoes?

- To solve Rahul's problem, which mathematical operation did you use and why?

To find out the difference between the two numbers, we use subtraction.

Subtraction can be defined as the arithmetic operation for finding the difference between two numbers.

In subtraction the greater number is called the **minuend** and the number which is subtracted from the minuend is called the **subtrahend**. The result is the difference.

The sign for subtraction is '−'.

Minuend	−	Subtrahend	=	Difference
↓		↓		↓
413		212		201

You have learnt subtraction of numbers, lets quickly revise.

Example 1

Reema has 543 stamps in her collection. She gave 215 stamps to her younger brother as he also wanted to collect stamps. How many stamps are left with Reema?

Number of stamps Reema has = 543

Number of stamps given to her brother = 215

	H	T	O	
	5	4	3	Total number of stamps Reema has
−	2	1	5	Stamps given to her brother
	3	2	8	Stamps left with Reema

Answer: Reema is left with 328 stamps.

VM *Use O5 block template from the kit for subtration.*

Example 2

In a coaching centre there are 2234 students in the first year. In the second year the number of students reduced by 1234. Find the total number of students who left the coaching centre.

Th	H	T	O	
2	3	3	4	Total number of students.
- 1	2	3	4	Number of students reduced
1	1	0	0	Number of students left in the coaching centre

Answer: 1100 students left the coaching centre

Let's practise
Classwork 1

1) Subtract the following.

a)

T	O
9	8
- 3	4

a)

T	O
9	8
- 2	9

c)

T	O
4	3
- 3	2

d)

H	T	O
6	5	6
- 5	3	2

e)

Th	H	T	O
9	4	9	8
-	1	2	0

f)

Th	H	T	O
4	5	5	2
- 3	5	6	5

2) Fill in the missing numbers.

a)

H	T	O
- 5	3	2
3	3	3

b)

H	T	O
9	2	1
-		
7	0	0

c)

Th	H	T	O
1	5	7	2
-			
1	2	6	1

d)

Th	H	T	O
1	7	5	5
-			
1	0	5	2

e)

Th	H	T	O
- 1	7	5	2
1	2	6	1

f)

Th	H	T	O
- 2	4	5	3
4	3	2	6

3) **Solve the following.**

a) The total number of students in a school is 2456. Out of these, 1542 are girls. How many boys are there in school?

b) Roli had ₹ 6500 with her. She spent ₹ 5000. Now, how much money does she have?

c) By how much is 453 less than 836?

d) A shopkeeper ordered for 3400 boxes of biscuits. After 20 days he was left with 545 boxes. How many boxes did he sell?

e) Sumith has to travel 2573 km. He traveled 1435 km by car and rest by bus. Find the distance he traveled by bus.

f) Indu bought a mixer grinder for ₹ 4732 and a table for ₹ 7976. Find the difference in the price of both the items..

g) A poultry farm sold 2736 eggs on Monday and 3743 eggs on Tuesday. How many more eggs were sold on Tuesday than on Monday?

h) 8926 people visited a zoo on Saturday and 8262 people visited the zoo on Sunday. How many less people visited the zoo on Saturday?
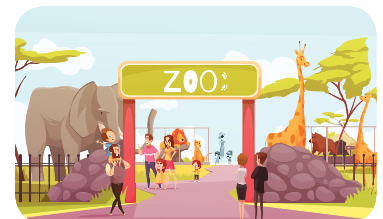
i) The sum of two numbers is 9277. If one number is 3734, find the other number.

j) A truck has 5767 logs of wood. If 3736 logs were unloaded, find the number of logs of wood left in the truck.

Let's practise Homework 1

1) Subtract the following.

a)
T	O
8	9
- 4	5

a)
T	O
4	8
- 1	9

c)
H	T	O
5	4	3
- 2	3	3

d)
H	T	O
4	4	3
- 3	2	1

e)
Th	H	T	O
4	3	6	6
- 3	2	1	6

f)
Th	H	T	O
6	7	3	1
- 4	2	1	9

2) Fill in the missing numbers.

a)
H	T	O
- 4	6	3
2	3	2

b)
H	T	O
8	3	2
-		
5	0	0

c)
Th	H	T	O
2	5	1	2
-			
1	1	5	2

d)
Th	H	T	O
1	8	6	6
-			
1	0	3	9

e)
Th	H	T	O
- 1	8	3	1
1	6	8	2

f)
Th	H	T	O
- 1	2	2	4
3	5	4	7

3) Solve the following.

a) The total number of books in a library is 3565. Out of these, 1200 books are donated to orphanage kids. How many books are left in the library?

b) Seema spent ₹ 3500 on her birthday and Deepa spent ₹ 3750. By how much did Deepa spend more than Seema?

c) By how much is 1587 less than 2476?

d) There were 5450 seats in a stadium. 3450 people came to the stadium to watch a cricket match. How many seats were vacant?

e) A library has 1528 fiction books and 2435 magazines. How many more magazines are there than fiction books?

f) In April 6731 people visited an amusement park and in May 5473 people visited. How many more people visited the amusement park in April than in May?
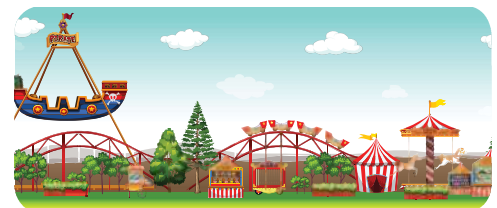
g) A shop keeper sold 1273 pens in the month of June and 2635 pens in the month of July. What is the difference between the number of pens sold in the two months?

h) An NGO planned to plant 3650 trees. They planted 1732 trees. How many trees are left to be planted?

i) Sum of two numbers is 1252. If one number is 736, then find the other number.

j) A tank can have 6000 L of water. If 4537 L of water is taken out, then find the quantity of water left in the tank.
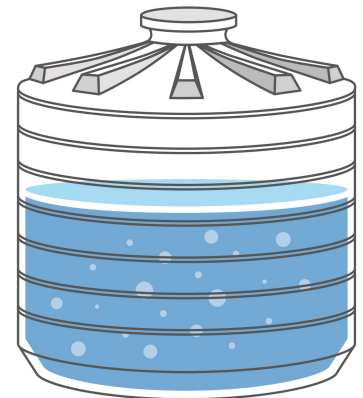
Properties of Subtraction

If 0 is subtracted from a number, the difference is the number itself.

Example 5642 – 0 = 5642

If a number is subtracted from itself, the difference will be zero.

Example 7482-7482 = 0

If one is subtracted from a number, it gives the predecessor of the number as the difference.

Example 4531 - 1 = 4530

Steps for Subtracting Numbers

Step 1: Write the number in the column according to their place values.

Step 2: Begin subtraction with ones and continue subtracting towards the left.

Step 3: Regroup when necessary.

Subtraction of 5-Digit and 6-Digit Numbers without Regrouping

Example 1 Subtract 63,421 from 85,678.

	TTh	Th	H	T	O
	8	5	6	7	8
−	6	3	4	2	1

Step 1: Arrange the numbers in columns according to their place value.

Step 2: Subtract ones.

8 ones - 1 one = 7 ones

	TTh	Th	H	T	O
	8	5	6	7	8
−	6	3	4	2	1
					7

Step 3: Subtract tens.

7 tens - 2 tens = 5 tens

	TTh	Th	H	T	O
	8	5	6	7	8
−	6	3	4	2	1
				5	7

Step 4: Subtract hundreds.

6 hundreds - 4 hundreds = 2 hundreds

	TTh	Th	H	T	O
	8	5	6	7	8
−	6	3	4	2	1
			2	5	7

Step 5: Subtract thousands.

5 thousands - 3 thousands = 2 thousands

TTh	Th	H	T	O
8	5	6	7	8
- 6	3	4	2	1
	2	2	5	7

Step 6: Subtract ten thousands.

8 thousands - 6 thousands = 2 thousands

TTh	Th	H	T	O
8	5	6	7	8
- 6	3	4	2	1
2	2	2	5	7

Example 2   Subtract 37,432 from 4,88,569.

L	TTh	Th	H	T	O
4	8	8	5	6	9
-		3	7	4	3	2
4	5	1	1	3	7

Example 3   Subtract 5,02,162 from 7,34,185.

L	TTh	Th	H	T	O
7	3	4	1	8	5
- 5	0	2	1	6	2
2	3	2	0	2	3

Let's practise
Classwork 2

1) Subtract the following.

a)

TTh	Th	H	T	O
4	5	3	3	7
- 1	2	0	1	3

b)

L	TTh	Th	H	T	O
7	4	2	6	2	4
-		3	2	4	2	3

c)

L	TTh	Th	H	T	O
4	6	7	7	6	9
−	1	3	5	3	5

d)

L	TTh	Th	H	T	O
9	5	4	6	5	9
− 6	2	3	5	4	7

e)

L	TTh	Th	H	T	O
8	5	6	3	8	2
− 6	1	5	2	3	2

f)

L	TTh	Th	H	T	O
7	9	4	5	3	4
− 5	5	2	5	1	2

g)

L	TTh	Th	H	T	O
8	2	6	1	8	4
− 2	1	3	1	6	3

h)

L	TTh	Th	H	T	O
8	3	1	8	9	9
− 7	0	1	3	1	2

2) **Solve the following.**

a) Subtract 12,562 from 56,975

b) Subtract 25,651 from 67,852

c) Subtract 4,47,800 from 5,99,999

d) Subtract 1,36,245 from 6,87,459

e) Subtract 6,35,462 from 9,89,473

f) Subtract 3,83,202 from 9,94,502

g) Subtract 1,24,572 from 7,65,589

h) Subtract 6,22,532 from 6,44,846

i) Subtract 3,73,529 from 8,75,789

j) Subtract 1,43,524 from 4,63,638

Let's practise Homework 2

1) Subtract the following.

a)

	TTh	Th	H	T	O
	5	5	1	8	3
-	4	2	1	6	1

b)

	L	TTh	Th	H	T	O
	6	5	1	9	7	8
-		2	0	4	1	6

c)

	L	TTh	Th	H	T	O
	8	6	5	9	4	7
-		1	4	7	2	6

d)

	L	TTh	Th	H	T	O
	9	8	4	5	9	5
-	8	6	1	4	6	2

e)

	L	TTh	Th	H	T	O
	6	8	5	6	7	9
-	2	1	3	1	5	1

f)

	L	TTh	Th	H	T	O
	6	4	3	1	3	6
-	2	4	2	1	1	2

g)

	L	TTh	Th	H	T	O
	9	4	8	4	7	2
-	8	0	5	3	4	2

h)

	L	TTh	Th	H	T	O
	8	9	6	4	6	6
-	3	6	5	1	1	4

2) Solve the following.

a) Subtract 17,625 from 99,846

b) Subtract 54,732 from 67,842

c) Subtract 23,442 from 87,673

d) Subtract 4,32,541 from 8,56,684

e) 5,34,735 from 8,95,757

f) Subtract673,636 from 8,75,698

g) Subtract 3,26,345 from 5,66,567

h) Subtract 5,34,752 from 9,85,954

i) Subtract 7,35,363 from 9,56,475

j) Subtract 4,23,636 from 7,65,749

Subtraction of 5-Digit and 6-Digit Numbers With Regrouping

Example 1 Subtract 54,269 from 98,368.

	TTh	Th	H	T	O
	9	8	3	6	8
-	5	4	2	6	9

Step 1: Arrange the numbers in columns according to their place value.

Step 2: Subtract ones.
8 < 9, So 9 cannot be subtracted from 8.
Borrow 1 ten from 6 tens and regroup.
1 ten = 10 ones
10 ones + 8 ones = 18 ones
Thus, 18 ones - 9 ones = 9 ones..

	TTh	Th	H	T	O
				5	18
	9	8	3	6̶	8̶
-	5	4	2	6	9
					9

Step 3: Subtract tens.
5 < 6, so 6 cannot be subtracted from 5.
Borrow 1 hundred from 3 hundred and regroup.
1 hundred = 10 tens
10 tens + 5 tens = 15 tens
Thus, 15 tens - 6 tens = 9 tens.

	TTh	Th	H	T	O
				15	
			2	5̶	18
	9	8	3̶	6̶	8̶
-	5	4	2	6	9
				9	9

Step 4: Subtract hundreds.

2 hundreds - 2 hundreds = 0 hundred

TTh	Th	H	T	O
			15	
		2	5̶	1̶8̶
9	8	3̶	6̶	8̶
- 5	4	2	6	9
		0	9	9

Step 5: Subtract thousands.

8 thousands - 4 thousands = 4 thousands

TTh	Th	H	T	O
			15	
		2	5̶	1̶8̶
9	8	3̶	6̶	8̶
- 5	4	2	6	9
	4	0	9	9

Step 6: Subtract ten thousands.

9 ten thousands - 5 ten thousands = 4 ten thousands

TTh	Th	H	T	O
			15	
		2	5̶	1̶8̶
9	8	3̶	6̶	8̶
- 5	4	2	6	9
4	4	0	9	9

Example 2 Subtract 34,762 from 3,61,943.

L	TTh	Th	H	T	O
	5	11	8	14	
3	6̶	1̶	9̶	4̶	3
-	3	4	7	6	2
3	2	7	1	8	1

Subtraction Across Zeros

3 0 0, 0 0 0 - 2 8, 4 1 3

	L	TTh	Th	H	T	O
		9	9	9	9	
	2	10	10	10	10	10
	3̶	0̶	0̶	0̶	0̶	0̶
−		2	8	4	1	3
	2	7	1	5	8	7

Example 2 Subtract 3,64,535 from 5,03,000.

	L	TTh	Th	H	T	O
			12			
	4	9	2̶	9	9	10
	5̶	0̶	3̶	0̶	0̶	0̶
−	3	6	4	5	3	5
	1	3	8	4	6	5

Addition and Subtraction Together

Example   Add and then subtract 2,63,364 + 3,35,312 − 1,53,253

	L	TTh	Th	H	T	O
	2	6	3	3	6	4
+	3	3	5	3	1	2
	5	9	8	6	7	6

	L	TTh	Th	H	T	O
	5	9	8	6	7	6
−	1	5	3	2	5	3
	4	4	5	4	2	3

1) Subtract the following.

a)

TTh	Th	H	T	O
2	1	8	8	9
- 1	4	5	8	7

b)

TTh	Th	H	T	O
3	5	6	4	8
- 2	1	9	3	6

c)

L	TTh	Th	H	T	O
3	1	5	5	4	3
-	8	6	7	2	6

d)

L	TTh	Th	H	T	O
2	5	0	4	4	3
- 1	3	2	1	2	1

e)

L	TTh	Th	H	T	O
5	0	0	3	0	2
- 2	1	3	2	6	2

f)

L	TTh	Th	H	T	O
5	6	7	3	1	1
- 3	4	2	4	1	9

2) Solve the following.

a) Subtract 68,465 from 76,382

b) Subtract 73,283 from 4,38,628

c) Subtract 3,64,721 from 6,01,008

d) Subtract 8,36,271 from 9,37,361

e) Subtract 2,63,526 from 7,29,392

f) Subtract 7,82,537 from 9,27,362

3) Add and then subtract.

a) 1,25,341 + 2,63,526 - 2,53,423

b) 6,25,362 + 1,62,532 - 5,60,872

c) 1,73,626 + 2,36,262 - 1,02,836

d) 4,73,622 + 1,36,262 - 2,87,334

e) 2,73,622 + 2,37,283 - 1,93,828

f) 7,36,362 + 1,79,362 - 5,24,351

Use the given digits without repetition and make the smallest and largest five-digit numbers. Find out their difference.

2, 7, 6, 1, 8

Let's practise
Homework 3

1) Subtract the following.

a)

TTh	Th	H	T	O
4	3	4	6	7
- 2	0	2	9	6

b)

TTh	Th	H	T	O
8	4	3	2	3
- 6	5	1	8	3

c)

L	TTh	Th	H	T	O
3	3	7	2	7	5
-	2	5	5	1	2

d)

L	TTh	Th	H	T	O
7	4	5	6	3	3
- 1	8	3	7	2	4

e)

L	TTh	Th	H	T	O
4	0	1	4	0	0
- 2	1	7	5	3	4

f)

L	TTh	Th	H	T	O
6	0	0	0	1	3
- 1	3	6	5	1	2

2) Solve the following.

   a) Subtract 84,671 from 93,837
   b) Subtract 38,492 from 1,37,361
   c) Subtract 2,44,811 from 3,04,100
   d) Subtract 1,93,811 from 4,00,000
   e) Subtract 7,62,473 from 9,53,007
   f) Subtract 6,59,844 from 7,58,586

3) Add and then subtract.

a) 2,53,523 + 1,26,253 - 1,72,532

b) 2,73,627 + 2,53,636 - 1,93,908

c) 5,37,352 + 2,38,373 - 2,37,434

d) 3,53,621 + 2,73,623 - 3,53,643

e) 5,63,563 + 3,63,283 - 2,63,732

f) 4,63,626 + 2,73,733 - 4,53,645

Finding Missing Numbers

When minuend is missing:

To find missing minuend, the difference is added to the subtrahend.

Example Find minuend for the following:

	TTh	Th	H	T	O	
						← Minuend
-	5	4	1	2	1	← Subtrahend
	3	2	1	2	3	← Difference

Solution: Add 54121 and 32123.

	TTh	Th	H	T	O
	5	4	1	2	1
+	3	2	1	2	3
	8	6	2	4	4

The minuend is 86244.

When the Subtrahend is Missing

To find missing subtrahend, the difference is subtracted from the minuend.

Example Find subtrahend for the following.

	TTh	Th	H	T	O	
	4	4	1	3	6	← Minuend
-						← Subtrahend
	1	5	6	2	4	← Difference

Solution: Subtract 15,624 from 44,136

TTh	Th	H	T	O
4	4	1	3	6
- 1	5	6	2	4
2	8	5	1	2

The subtrahend is 28512.

Let's practise
Classwork 4

1) Fill in the missing numbers.

a)

TTh	Th	H	T	O
-	4	6	3	2	1
2	3	2	1	1

b)

TTh	Th	H	T	O
8	3	2	1	1
-				
5	0	0	0	0

c)

L	TTh	Th	H	T	O
6	5	2	5	1	2
-					
1	1	5	2	3	2

d)

TTh	Th	H	T	O
2	1	8	8	9
-				
1	0	3	9	2

e)

L	TTh	Th	H	T	O
6	5	2	5	1	2
-					
1	1	5	2	3	2

f)

TTh	Th	H	T	O
-	1	2	2	4	6
3	5	4	7	3

1) Find the missing digits.

a)

	TTh	Th	H	T	O
	5	4	6		2
-		6		2	1
	1		1	5	

b)

	L	TTh	Th	H	T	O
	8	6	5	4		4
-		4		3	1	
	5		0		1	2

c)

	TTh	Th	H	T	O
	5	4	6		2
-	3		5	1	
		2		0	3

d)

		TTh	Th	H	T	O
	3		4	3	7	
-	1	2	1		4	2
		4		6	3	6

Let's practise Homework 4

1) Fill in the missing numbers.

a)

	TTh	Th	H	T	O
-	7	6	1	2	4
	1	1	2	5	1

b)

	TTh	Th	H	T	O
	8	3	2	1	1
-					
	5	0	0	0	0

c)

	L	TTh	Th	H	T	O
	7	4	3	4	2	1
-						
		2	1	4	3	5

d)

	TTh	Th	H	T	O
	3	4	9	7	9
-					
	1	3	1	9	2

e)

TTh	Th	H	T	O
- 2	1	7	4	2
1	1	5	7	1

f)

TTh	Th	H	T	O
- 1	3	1	5	3
4	3	2	5	4

Word Problems on Subtraction

Example 1   During a flower show, a doll was made using 23,942 white roses and 12,383 red roses. How many more white roses were used than red roses?

Solution:

Number of white roses used = 23,942

Number of red roses used   = 12,383

Number of more white roses used than red roses = number of white roses - number of red roses   = 23,942 - 12,383

TTh	Th	H	T	O
2	3	9	4	2
- 1	2	3	8	3
1	1	5	5	9

Answer: 11559 more white roses were used to make the doll.

Example 2   Kaushik has ₹ 9,83,997. He bought a bike worth ₹ 2,24,564 and a laptop worth ₹ 1,24,332. How much money is he left with?

Solution: Money Kaushik has = ₹ 9,83,997

Cost of the bike = ₹ 2,24,564

Cost of the laptop = ₹ 1,24,332

L	TTh	Th	H	T	O
	2	2	4	5	6	4
+	1	2	4	3	3	2
	3	4	8	8	9	6

Total amount spent on bike and laptop = ₹ 2,24,564 + ₹ 1,24,332 = 3,48,896

Money he is left with = ₹ 9,83,997 – the total amount spent on bike and laptop

= ₹ 9,83,997 – ₹ 3,48,896 = ₹ 6,35,101

	L	TTh	Th	H	T	O
	9	8	3	9	9	7
–	3	4	8	8	9	6
	6	3	5	1	0	1

Let's practise
Classwork 5

1) **Aarati is an artist. She kept her art for sale.**
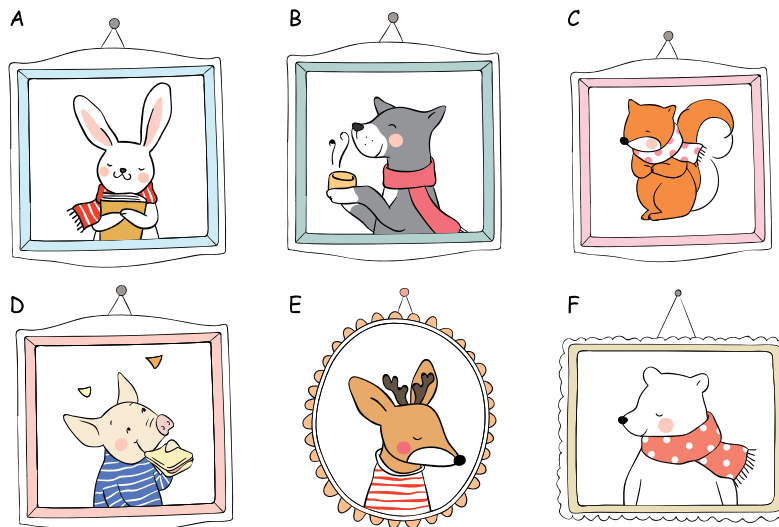
Find the price of each of the piece of art.

a) The price of A is ₹ 53,342 more than ₹ 17,362.

b) The price of B is ₹ 83,632 less than largest 6-digit number.

c) The price of C is ₹ 20,000 less than the price of A.

d) The price D is ₹ 58,000 less than the sum of prices of A and C.

e) The price E is ₹ 35,463 less than the price of B.

f) The price of F is ₹ 17,976 less than the sum of prices of C and E.

2) Solve the following.

a) The difference between two numbers is 86,723. The number that was subtracted was 45,673. Find the other number.

b) By how much is 5,25,587 less than 8,65,432?

c) What number should be subtracted from 60,570 to get 25,065?

d) Subtract the smallest five digit number from the largest five-digit number.

e) The number Q is 83,653 less than the sum of 1,83,632 and 5,34,252. Find the number Q.

f) A shopkeeper sold 1,58,340 kg of rice in the first week of the month. In the second week, he sold 2,56,780 kg of rice. In which week did he sell more rice and by how much?

g) Kavita has ₹ 1,75,465 in her bank account. She has withdrawn ₹ 42,600. How much money is left in her account?

h) In an examination 83,632, students appeared were boys. Find the number of girls who appeared for the examination if a total of 2,00,000 candidates appeared.

i) The sum of two numbers is 2,93,736. If one of the number is 1,97,322, then find the other number.

j) Sridhar had ₹ 7,93,823. He bought a car worth ₹ 4,38,463 and mobile for ₹ 64,000. Find the amount left with him.
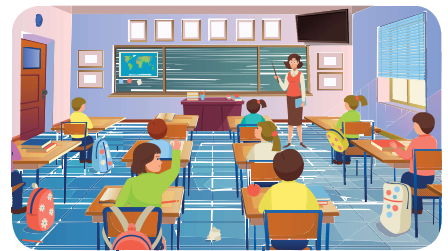
Hands-on

Objective: To understand the concept of subtraction in daily life.

Material required: Paper and pen.

Procedure:

- Divide the students into groups of 3 or 4 each.

- Each group will have to set up a diner by purchasing the required furniture from the given list.

- Assume that each has an initial amount of ₹ 1,00,000.

- Using the amount you can purchase 1 item from the given list of items and find the remaining amount.

- Each furniture set is labelled with an alphabet. Enter the alphabet you chose in the given table.

- You can purchase only 1 item each time and subtract the cost from the remaining amount.

- Record your calculation in the given table.

- You can choose up to a maximum of 4 sets of furniture.

₹ 20,189

A

₹ 12,599

B

₹ 21,900

C

₹ 10,999

D

₹ 24,789

E

₹ 15,345

F
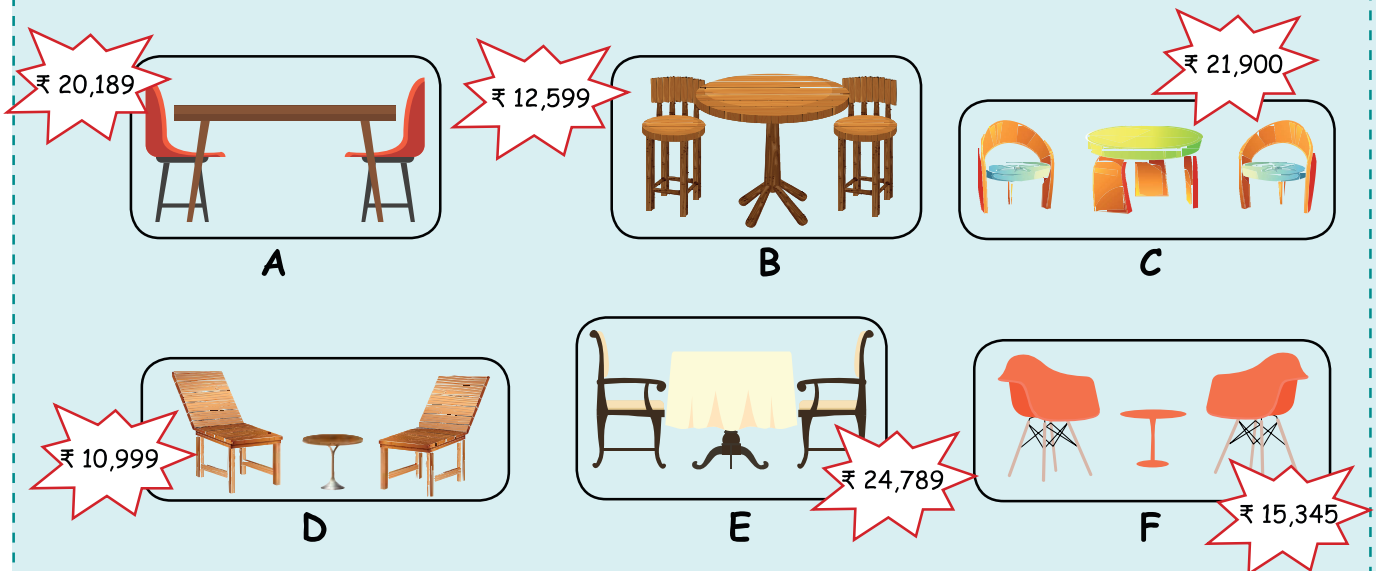
Initial Amount = ₹ 1,00,000

Furniture set chosen	Cost of the furniture	Amount remaining
	₹ _____	₹ 1,00,000 – ₹ _____ = ₹ _____
	₹ _____	₹ _____ – ₹ _____ = ₹ _____
	₹ _____	₹ _____ – ₹ _____ = ₹ _____
	₹ _____	₹ _____ – ₹ _____ = ₹ _____

Amount remaining = ₹ _____

Challenge!

In town A, there are 23,410 men, 23,540 women and 13,505 children. However, in town B, there are 25,678 men, 23,870 women and 13,405 children.

- In which town is the population of women higher? What is the difference in the number of women in both the towns?

- The number of children in town B was counted incorrectly. The actual number is 12536 less than the given number. Find the actual number of children in town B.

1) Raghav is an event planner. Given below is his expenses for a wedding event.

Rent of Hall	₹ 1,93,732
Rent of furniture	₹ 1,85,609
Decoration	₹ 95,003
Food	?

a) How much more did he spent on rent of the hall than rent of the furniture?

b) How much less money does he spend on decoration than on rent of the furniture?

c) The expense for food is 80997 less than the sum of rent of hall and decoration. Find the amount spent on food.

d) Which cost less, rent of furniture or food? How much less?

e) Find the difference in the amount of money spent on decoration and food.

2) Solve the following.

a) The difference between two numbers is 78,632. The number that was subtracted is 56,582. Find the other number.

b) By how much is 6,36,476 less than 9,43,214?

c) What number should be subtracted from 70,640 to get 35,057?

d) Subtract the smallest six-digit number from the largest six-digit number.

e) The sum of two numbers is 8,33,525. If one of the numbers is 1,83,736, then find the other number.

f) A number P is 46,872 less than the sum of 2,54,635 and 64,535. Find the number P.

g) Rahul sold his car for ₹ 1,50,650. He wanted to buy a new car at the cost of ₹ 2,62,000. How much money does he need more to buy the new car?

h) A shopkeeper sold 1,58,000 packets of milk in a July month and 1,65,000 in August. In which month he sold more packets of milk and by how much?

i) Ganesh has ₹ 2,50,422. He bought a television for ₹ 35,890 and a washing machine for ₹ 54,650. How much money is he left with?

j) In a godown there were 2,73,535 sacks of rice. On Monday 89,373 sacks of rice and on Tuesday 73,537 sacks of rice were sent to the mill. Find the number of sacks of rice left in the godown.

Math Connect

The banyan tree is the national tree of India. Banyans are the world's biggest trees in terms of the area they cover. The biggest one alive today is in the Indian state of Andhra Pradesh and has the broadest area of canopy to any tree in the world.

Given below is the list of 5 of the biggest banyan trees and the area of their canopy in square metres.

Banyan tree	Location	Area of canopy (Square metres)
Thimmamma Marrimanu	Anantapur, Andhra Pradesh	19,107
Kabirvad	Bharuch district, Gujarat	17,520
Great Banyan	Kolkata, West Bengal	18,918
Dodda Aalada Mara	Bangalore Urban, Karnataka	12,000

a) What is the difference between the canopy area of Kabirvad and Dodda Aalada Mara?

b) By how much is the canopy area of Thimmamma Marrimanu more than each of the three banyan trees?

Mental Math

1) Subtract the following:

   a) 1638 – 1000

   b) 38472 – 2000

   c) 5000 – 700

   d) 3567 – 1111

   e) 88888 – 22222

   f) 17362 - 17362

2) Find the missing number:

   a) _____ - 3000 = 7000

   b) 8000 - _____ = 5000

   c) 11111 – 1 = _____

   d) 29389 – _____ = 29388

   e) 7500 - _____ = 7000 + 200

   f) _____ - 6000 = 1500 + 1500

Summary

- Subtraction can be defined as the arithmetic operation for finding the difference between two numbers.

- The number we get after subtraction is called the difference. The smaller number is always subtracted from the greater number.

- The greater number from which another number is to be subtracted is called a minuend.

- The smaller number that is subtracted from the other number is called a subtrahend.

- If 0 is subtracted from a number, the difference is the number itself.

- If one is subtracted from a number, it gives the predecessor of the number as the difference.

Revision Exercise

1) Subtract the following:

a)

L	TTh	Th	H	T	O
4	2	1	8	8	9
-	3	6	5	8	7

b)

L	TTh	Th	H	T	O
4	3	5	6	4	8
- 1	2	1	9	3	6

c)

TTh	Th	H	T	O
7	5	5	4	3
- 2	4	2	3	3

d)

TTh	Th	H	T	O
5	0	4	4	3
- 3	2	1	2	1

2) Arrange the following numbers in columns and subtract them:

a) 2,56,432 - 2,25,474   b) 27,854 - 23,720

c) 1,60,507- 14,321   d) 8,76,540 - 57,482

3) Add and then subtract.

a) 3,86,331 + 2,73,621 - 1,73,625   b) 1,83,263 + 3,62,622 - 2,83,732

c) 6,35,242 + 1,37,233 - 4,84,643   d) 1,73,625 + 5,93,736 - 5,32,435

4) Fill in the missing numbers:

a)

	TTh	Th	H	T	O
-	3	7	4	3	2
	4	2	3	1	0

b)

	TTh	Th	H	T	O
	7	4	1	2	1
-					
	4	0	3	0	0

c)

	TTh	Th	H	T	O
	6	5	☐	1	4
-	☐	6	2	2	☐
	2	☐	1	☐	3

d)

	TTh	Th	H	T	O	O
	7	☐	8	5	1	4
-	☐	4	☐	☐	2	5
	☐	2	2	4	8	☐

5) Solve the following sums.

a) The difference between two numbers is 58,635. The number that was subtracted is 24,320. Find the other number.

b) By how much is 6,23,468 lesser than 9,45,845?

c) What number should be subtracted from 45,375 to get 36,086?

d) Subtract the smallest five-digit number from the largest six-digit number.

e) Seema has bought a plot for ₹ 3,57,540. After six months she sold the same plot for ₹ 4,86,870. How much more money did she get?

f) 25,725 people visited a zoo in August. 28,545 people visited the zoo in September. In which month did more people visit the zoo and by how much?

Choose the correct options.

1) Which mathematical operation should be used to solve the following problem?

   Mr Mehta needed ₹ 45,320 for the renovation of his house. He has a saving of ₹ 50,000. How much more money does Mr Mehta have?

   a) Addition   b) Subtraction
   c) Multiplication   d) Division

2) The number from which the other number is to be subtracted is called _____ .

   a) minuend   b) subtrahend
   c) difference   d) remainder

3) To get the predecessor of a number,

   a) One is subtracted from the number   b) One is added to the number
   c) A number is subtracted from itself   d) Zero is subtracted from the number

4) By how much is 45,672 bigger than 34,521?

   a) 11,151   b) 11,152
   c) 1,151   d) 1,152

5) Mahesh is reading a book that has 21846 pages. He has already read 4117 pages. How many pages does he have left to read?

   a) 17,129   b) 17,730
   c) 17,729   d) 17,739

6) Which of the following subtraction sums has been solved correctly?

   a) 25,882 - 21462 = 4420   b) 45,674 - 44,720 = 964
   c) 35,432 - 34563 = 969   d) 23,124 - 23,012 = 212

7) Find the value of 'X'.

9,43,374 - 4,69,532 = X

a) 4,73,842   b) 4,83,742
c) 4,73,742   d) 4,83,842

8) Arun wants to buy a car for ₹ 345780. He has ₹ 245980 in his account. How much more money does he need to have to buy the car?

a) ₹ 99,800   b) ₹ 99,880
c) ₹ 99000   d) ₹ 99,888

9) What should be added to 65,432 to get 7,54,327?
a) 6,88,885   b) 68,895
c) 6,88,895   d) 68,885

10) The total number of students that appeared for a class 8 examination was 98,540 in 2018 and 99,898 in 2019.

Choose the correct option for the given statement.

a) 1358 more students appeared in 2019 than in 2018.
b) 1358 more students appeared in 2018 than in 2019.
c) 1358 fewer students appeared in 2018 than in 2019.
d) Both a and c are correct.