

Exercises

Let's Recall



A) Subtract the following:

1)

H	T	O
5	2	6
-	4	1
1	1	3

2)

H	T	O
6	7	0
-	5	7
1	3	1

3)

H	T	O
7	8	10
-	7	2
0	4	9

B) Subtract horizontally.

1) $175 - 24 = 151$

2) $729 - 0 = 729$

3) $627 - 47 = 580$

4) $86 - 49 = 37$

5) $39 - 39 = 0$

6) $426 - 1 = 425$

Exercise 4.1

A) Subtract the following.

1)

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

2)

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

3)

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

B) Subtract horizontally. (Do these sums mentally.)

1) $2876 - 1843 = 1033$

2) $28093 - 17043 = 11050$

3) $99856 - 32451 = 67405$

4) $62154 - 61023 = 1131$

(c) Arrange the numbers in column and subtract. Then write the difference in figures.

(1) $83972 - 41561$

$$\begin{array}{r} 83972 \\ - 41561 \\ \hline 42411 \end{array}$$

(2) $5293 - 4160$

$$\begin{array}{r} 5293 \\ - 4160 \\ \hline 1133 \end{array}$$

(3) $95432 - 84321$

$$\begin{array}{r} 95432 \\ - 84321 \\ \hline 11111 \end{array}$$

(4) $74639 - 42310$

$$\begin{array}{r} 74639 \\ - 42310 \\ \hline 32329 \end{array}$$

What Did You Learn?

Exercise 4.2

A) Subtract the following.

1)

Th	H	T	O
6	5	4	9
4	2	1	6
2	3	3	3

2)

T	Th	Th	H	T	O
5	6	4	3	2	1
5	9	3	7	4	
0	4	9	4	7	

3)

T	Th	Th	H	T	O
7	8	6	8	4	7
7	8	9	3	9	
0	7	9	0	8	

B) Subtract horizontally.

1) $7349 - 6593 = 0756$

2) $3841 - 2970 = 871$

3) $38673 - 29774 = 8899$

4) $93861 - 67595 = 26266$

(c) Write in columns and find the difference.

(1) $32497 - 24869$

$$\begin{array}{r} \overset{2}{\cancel{3}} \overset{11}{\cancel{2}} \overset{14}{\cancel{4}} \overset{8}{\cancel{9}} \overset{17}{\cancel{7}} \\ - 24869 \\ \hline 07628 \end{array}$$

(2) $7328 - 579$

$$\begin{array}{r} \overset{6}{\cancel{7}} \overset{12}{\cancel{3}} \overset{11}{\cancel{2}} \overset{18}{\cancel{8}} \\ - 579 \\ \hline 6749 \end{array}$$

(3) $4189 - 4090$

$$\begin{array}{r} \overset{0}{\cancel{4}} \overset{18}{\cancel{1}} \overset{8}{\cancel{8}} \overset{9}{\cancel{9}} \\ - 4090 \\ \hline 0099 \end{array}$$

(4) $67314 - 28569$

$$\begin{array}{r} \overset{5}{\cancel{6}} \overset{16}{\cancel{7}} \overset{12}{\cancel{3}} \overset{10}{\cancel{1}} \overset{14}{\cancel{4}} \\ - 28569 \\ \hline 38745 \end{array}$$

What Did You Learn?

Exercise 4.3

Subtract.

1)

Th	H	T	O
34	10	10	10
- 36	84		
04	16		

2)

Th	H	T	O
28	10	70	00
- 27	86		
02	84		

3)

Th	H	T	O
89	08	00	00
- 76	91		
13	89		

Exercise - 4.4

Q. Find the difference and verify your answer.

(1) $96542 - 73897$

Verification

$$\begin{array}{r} \overset{5}{\cancel{9}} \overset{14}{\cancel{6}} \overset{15}{\cancel{5}} \overset{12}{\cancel{4}} \overset{2}{\cancel{2}} \\ - 73897 \\ \hline 22645 \end{array}$$

$$\begin{array}{l} \text{Difference} \rightarrow 22645 \\ \text{Subtrahend} \rightarrow + 73897 \\ \text{Minuend} \rightarrow 96542 \end{array}$$

(2) $28105 - 3204$

Verification

$$\begin{array}{r} \overset{7}{2} \overset{10}{8} \overset{10}{1} \overset{10}{0} \overset{10}{5} \\ - \quad 3 \quad 2 \quad 0 \quad 4 \\ \hline 2 \quad 4 \quad 9 \quad 0 \quad 1 \end{array}$$

$$\begin{array}{l} \text{Difference} \rightarrow 24901 \\ \text{Subtrahend} \rightarrow + 3204 \\ \text{Minuend} \rightarrow 28105 \end{array}$$

(3) $8000 - 7348$

$$\begin{array}{r} \overset{9}{8} \overset{9}{0} \overset{9}{0} \overset{10}{0} \\ - 7 \quad 3 \quad 4 \quad 8 \\ \hline 0 \quad 6 \quad 5 \quad 2 \end{array}$$

$$\begin{array}{l} \text{Difference} \rightarrow 0652 \\ \text{Subtrahend} \rightarrow + 7348 \\ \text{Minuend} \rightarrow 8000 \end{array}$$

(4) $86094 - 7538$

$$\begin{array}{r} \overset{15}{8} \overset{10}{6} \overset{8}{0} \overset{14}{9} \overset{14}{4} \\ - 7 \quad 5 \quad 3 \quad 8 \\ \hline 7 \quad 8 \quad 5 \quad 5 \quad 6 \end{array}$$

$$\begin{array}{l} \text{Difference} \rightarrow 78556 \\ \text{Subtrahend} \rightarrow + 7538 \\ \text{Minuend} \rightarrow 86094 \end{array}$$

5. $6705 - 4819$

Verification

$$\begin{array}{r} \overset{5}{6} \overset{16}{7} \overset{9}{0} \overset{15}{5} \\ - 4 \quad 8 \quad 1 \quad 9 \\ \hline 1 \quad 8 \quad 8 \quad 6 \end{array}$$

$$\begin{array}{l} \text{Difference} \rightarrow 1886 \\ \text{Subtrahend} \rightarrow + 4819 \\ \text{Minuend} \rightarrow 6705 \end{array}$$

What Did You Learn?

Exercise 4.5

Fill in the blanks with the correct answers.

1) $8735 - 8735 = 0$

2) $54390 - 1 = 54389$

3) $20759 - 0 = 20759$

4) $6749 - 6749 = 0$



What Did You Learn?



Exercise 4.6

A) Solve the following.

1)

Th	H	T	O
4	0	0	0
+	3	7	2
7	7	2	1
-	5	4	3
2	2	8	3

2)

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

3)

TTh	Th	H	T	O
7	2	5	0	0
+	1	3	2	8
8	5	7	8	6
-	2	3	4	1
6	2	3	6	9

B) Carry out the following operations.

(1) $7341 + 8317 - 3819$

$$\begin{array}{r} 7341 \\ + 8317 \\ \hline 15658 \end{array}$$

$$\begin{array}{r} 15658 \\ - 3819 \\ \hline 11839 \end{array}$$

(2) $28746 - 5731 + 10807$

$$\begin{array}{r} 28746 \\ + 10807 \\ \hline 39553 \end{array}$$

$$\begin{array}{r} 39553 \\ - 5731 \\ \hline 33822 \end{array}$$

(3) $4188 - 2756 + 3174$

$$\begin{array}{r} 4188 \\ + 3174 \\ \hline 7362 \end{array}$$

$$\begin{array}{r} 7362 \\ - 2756 \\ \hline 4606 \end{array}$$

Exercise - 4.7

Solve the following problems.

- 1) Find the difference between the greatest 5-digit number and the smallest 4-digit number.

Solution

The greatest 5 digit number	99999
The smallest 4 digit number	- 1000
	<u>98999</u>

The difference between both the number is 98999.

- 2) Maria collected 47398 coins. If she gave 31403 coins to Sabiha, then how many coins remained with her?

Solution

Total number of coins	47 ⁶ 3 ¹³ 98
Number of coins gave	- 31403
	<u>15995</u>

15995 coins remained with her.

- 3) Find the sum of 7640 and 3875. Then subtract 4130 from the total.

Solution: First number $\overset{\textcircled{1}}{7}\overset{\textcircled{1}}{6}40$
 Second number $+ 3875$
 $\hline 11515$

The sum of both number is $\overset{\textcircled{0}}{1}\overset{\textcircled{1}}{1}\overset{\textcircled{4}}{5}\overset{\textcircled{1}}{5}$
 Subtract the number $- 4130$
 $\hline 7385$

- 4) In a school there were 3876 students. 321 new students were admitted and 143 students left the school during the same year. How many students did the school have at the end of that year?

Solution: Total number of students in a school $\overset{\textcircled{1}}{3}876$
 Total number of new students in a school $+ 321$
 $\hline 4197$

Total number of students after admission 4197
 number of students left the school $- 143$
 $\hline 4054$

The school have 4054 students at the end of that year.

- 5) There were 3976 trees in an orchard. Out of these 1239 trees got damaged in a fire. Later 2173 trees were planted. How many trees does the orchard have in all?

Solution

Number of trees in an orchard	$\overset{\textcircled{1}}{3}\overset{\textcircled{1}}{9}76$
number of trees planted in orchard +	2173
	6149

Total number of trees in an orchard	$\overset{5}{8}\overset{11}{1}49$
Number of trees damaged in a fire	-1239
	4910

The orchard have 4910 trees.