

Chapter - 4

Subtraction

<Worksheet>

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1. Solve:

A. Estimate the following by rounding off to the nearest 10.

(a) $9560 - 5432$

On rounding off to nearest 10, we get

$$9560 - 5430 = 4130$$

	TH	H	T	O
	9	5	6	0
\leftarrow	5	4	3	0
	4 1 3 0			

Actual difference $(9560 - 5432) = 4128$

	TH	H	T	O
	9	5	6	0
			⁽⁵⁾	⁽¹⁰⁾
\leftarrow	5	4	3	2
	4 1 2 8			

(b) $6875 - 4586$

On rounding off to nearest 10, we get

$6880 - 4590 = 2290$

	T	H	T	O
		7	8	0
		8	8	0
←	4	5	9	0
	2	2	9	0

Actual difference $(6875 - 4586) = 2289$

	T	H	T	O
		7	8	0
		8	7	5
←	4	5	8	6
	2	2	8	9

B. Estimate the following by rounding off to the nearest 100.

(a) $3760 - 1782$

On rounding off to nearest 100, we get-

$$3800 - 1800 = 2000$$

TH	H	T	O
3	8	0	0
←	→	1	800
2	0	0	0

Actual difference $\langle 3760 - 1782 \rangle = 1978$

TH	H	T	O
	16	18	
2	8	8	0
3	7	6	0
←	→	1	782
1	9	7	8

(b) $5982 - 3650$

On rounding off to nearest 100, we get-

$6000 - 3700 = 2300$

TH H T O

5	9	8	2
6	0	0	0
←	3	7	0
2 3 0 0			

Actual difference $\langle 5982 - 3650 \rangle = 2332$

TH H T O

5	9	8	2	
←	3	6	5	0
2 3 3 2				

C. Estimate the following by rounding off to the nearest 1000.

(a) $4992 - 4559$

On rounding off to nearest 1000, we get-

$$5000 - 5000 = 0$$

	TH	H	T	O
	5	0	0	0
<->	5	0	0	0
	0 0 0 0			

Actual difference $\langle 4992 - 4559 \rangle = 433$

	TH	H	T	O
	4	9	9	2
<->	4	5	5	9
	0 4 3 3			

(b) $1855 - 1020$

On rounding off to nearest 1000, we get-

$2000 - 1000 = 1000$

TH	H	T	O
2	0	0	0
←→ 1	0	0	0
1	0	0	0

Actual difference $(1855 - 1020) = 835$

TH	H	T	O
1	8	5	5
←→ 1	0	2	0
0	8	3	5

D. Subtract the following numbers.
(a) 6836 and 8959

	TH	H	T	O
	8	9	5	9
←	6	8	3	6
	2	1	2	3

(b) Take away 6305 from 7243.

	TH	H	T	O
	6	2	4	3
←	7	2	4	3
←	6	3	0	5
	0	9	3	8

E. Solve the following.

(a) $3569 + 2494 - 1241 - 4635 = 187$

	TH	H	T	O
	3	5	6	9
←	2	4	9	4
	9	0	6	3
←	1	2	4	1
	4	8	2	2
←	4	6	3	5
	0	1	8	7

(b) $6745 + 3621 - 9825 + 2626 = 3167$

	Th	H	T	O
	6 ⁽¹⁾	7	4	5
(+)	3	6	2	1
	1	0	3	6
(+)	2	6	2	6
	9	8	2	5
	0 3 1 6 7			

11. Do as directed:- following numbers:-

A. Subtract the following numbers.

	H	T	O
	3	7	0
	4	6	7
(-)	2	7	3
	1 9 4		

B. Find the difference.

	Th	H	T	O
	8	4	9	8
(-)	5	2	7	3
	3 2 2 5			

c. Subtract the following numbers.

$$\begin{array}{r}
 \textcircled{7} \quad \textcircled{10} \quad \textcircled{14} \quad \textcircled{8} \quad \textcircled{12} \\
 8 \quad + \quad 4 \quad 9 \quad 8 \\
 \hline
 \textcircled{1} \quad \textcircled{6} \quad \textcircled{5} \quad \textcircled{6} \quad \textcircled{8} \quad \textcircled{9} \\
 \hline
 \underline{\underline{\textcircled{1} \quad \textcircled{5} \quad \textcircled{8} \quad \textcircled{0} \quad \textcircled{9}}}
 \end{array}$$

D. A cinema hall had 2400 tickets. It sold 1924 tickets. How many tickets are yet to be sold?

Ans-

T H H T O

$\textcircled{13} \quad \textcircled{09}$

$\textcircled{1} \quad \textcircled{3} \quad \textcircled{28} \quad \textcircled{10}$

No. of tickets the cinema hall had = $\cancel{2} \quad \cancel{4} \quad \cancel{0} \quad \cancel{0}$

No. of tickets sold = $\leftarrow 1 \quad 9 \quad 2 \quad 4$

No. of tickets yet to be sold = $\boxed{0 \quad 4 \quad 7 \quad 6}$

\therefore 476 tickets are yet to be sold.

F. Subtract the sum of 6432 and 1572 from the sum of 5468 and 8542.

TH	H	T	O	TH	H	T	O	TT	HT	HT	T	O				
①	①			①	①	①		①	①④	①	①⑩					
1	5	7	2	5	4	6	8	+	4	1	+	0				
<+>	6	4	3	2	<+>	8	5	4	2	<->	8	0	0	4		
	8	0	0	4		1	4	0	1	0		0	6	1	0	6