

Exercise 2.5



A. Subtract.

$$\begin{array}{r} 1. \quad 3327 \\ - 1203 \\ \hline 2124 \end{array}$$

$$\begin{array}{r} 2. \quad 6542 \\ - 3230 \\ \hline 3312 \end{array}$$

$$\begin{array}{r} 3. \quad 8765 \\ - 4321 \\ \hline 4444 \end{array}$$

$$\begin{array}{r} 4. \quad 9999 \\ - 1999 \\ \hline 8000 \end{array}$$

$$\begin{array}{r} 5. \quad 7968 \\ - 2786 \\ \hline 5182 \end{array}$$

$$\begin{array}{r} 6. \quad 8564 \\ - 3625 \\ \hline 4939 \end{array}$$

$$\begin{array}{r} 7. \quad 9663 \\ - 4778 \\ \hline 4885 \end{array}$$

$$\begin{array}{r} 8. \quad 8887 \\ - 7788 \\ \hline 1099 \end{array}$$

Exercise 2.6



A. Subtract.

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

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

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

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

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

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

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

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

Exercise 2.7



A. Fill in the blanks.

1. $6340 - 0 = \underline{6340}$ 2. $5200 - \underline{0} = 5200$ 3. $5731 - 5731 = \underline{0}$
4. $64332 - 1 = \underline{64331}$ 5. $89732 - \underline{0} = 89732$ 6. $94553 - 0 = \underline{94553}$

B. Subtract and check by addition.

1.
$$\begin{array}{r} 5584 \\ - 1563 \\ \hline 4021 \end{array} \quad \begin{array}{l} \rightarrow \\ \rightarrow \\ \rightarrow \end{array} \quad \begin{array}{r} 4021 \\ + 1563 \\ \hline 5584 \end{array}$$

2.
$$\begin{array}{r} 6575 \\ - 2410 \\ \hline 4165 \end{array} \quad \begin{array}{l} \rightarrow \\ \rightarrow \\ \rightarrow \end{array} \quad \begin{array}{r} 4165 \\ + 2410 \\ \hline 575 \end{array}$$

3.
$$\begin{array}{r} 35267 \\ - 18382 \\ \hline 16885 \end{array} \quad \begin{array}{l} \rightarrow \\ \rightarrow \\ \rightarrow \end{array} \quad \begin{array}{r} 16885 \\ + 18382 \\ \hline 35267 \end{array}$$

4.
$$\begin{array}{r} 75689 \\ - 36598 \\ \hline 39091 \end{array} \quad \begin{array}{l} \rightarrow \\ \rightarrow \\ \rightarrow \end{array} \quad \begin{array}{r} 39091 \\ + 36598 \\ \hline 75689 \end{array}$$

C. Estimate each difference. Also find the exact difference.

		Round off to the	Estimated difference	Exact difference
1.	$71 - 59$	nearest 10	$70 - 60$	10
2.	$425 - 315$	nearest 100	$400 - 300$	100
3.	$5180 - 3992$	nearest 1000	$5000 - 4000$	1000

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Exercise 2.8

Solve these story sums.

Q1. There are 1500 seats in a cinema hall. ~~are~~ If on a particular day, 895 people arrive to watch a movie, how many seats are vacant?

Soln:-

$$\begin{array}{r} \text{Total no. of seats} = 1500 \\ \text{No. of seats occupied} = - 895 \\ \hline \text{No. of seats vacant} = 605 \end{array}$$

Ans:- 605 seats are vacant.

Q2. A farmer had 7500 oranges. Out of these, 750 oranges got spoilt. How many good oranges are left?

Soln:-

$$\begin{array}{r} \text{Total no. of oranges} = 7500 \\ \text{No. of spoilt oranges} = - 750 \\ \hline \text{No. of good oranges} = 6750 \end{array}$$

Ans:- So, No. of good oranges left are 6750.

Q3. The sum of two numbers is 58400. If one number is 14600, what is the other number?

Soln:-
Sum of two numbers = 58400
One number = -14600
Other number = 43800

Ans- So, another number is 43800

Q4. The total cost of a television set and a mobile phone is ₹ 55990. If the cost of the mobile phone is ₹ 17897, find the cost of the television set.

Soln:- Cost of a television set and a mobile phone = ₹ 55990
Cost of the mobile phone = - ₹ 17897
Ans- Cost of the television set = 38093

Q5. A company manufactured 96329 television sets in 2019. In 2020, it manufactured 98347 sets. How many more sets did the company manufacture in 2020 than in 2019?

Soln:- No. of TV sets manufactured in 2020 = 98347
No. of TV sets manufactured in 2019 = -96329
02018

Ans- So, 2018 more TV sets are manufactured in 2020 than in 2019.

Q6. 8125 aeroplanes take off from an airport every day. But only 6748 could take off on Monday due to bad weather. Estimate the number of flights that were cancelled.

Soln:- No. of aeroplanes take off every day = $8125 \approx 8000$
 No. of aeroplanes could take off on Monday = $6748 \approx 7000$
 No. of flights cancelled on Monday = 1000

Ans:- So, Estimated 1000 flights were cancelled on Monday.

Exercise 2.9

Q1. Solve Step-wise.

1. $4617 + 2415 - 5918$

$$\begin{array}{r} \textcircled{0} \textcircled{0} \\ 4617 \\ + 2415 \\ \hline 7032 \end{array} \quad \begin{array}{r} 7032 \\ - 5918 \\ \hline 1114 \end{array}$$

2. $1359 - 979 + 2648$

$$\begin{array}{r} \textcircled{0} \textcircled{0} \textcircled{0} \\ 2648 \\ + 1359 \\ \hline 4007 \end{array} \quad \begin{array}{r} 4007 \\ - 979 \\ \hline 3028 \end{array}$$

B. Find the number that is

i) 563 more than 8978.

$$\begin{array}{r} 8978 \\ + 563 \\ \hline 9541 \end{array} \rightarrow \text{Required Number}$$

2. 2053 more than 10615

$$\begin{array}{r} 10615 \\ + 2053 \\ \hline 12668 \end{array} \rightarrow \text{Required Number}$$

C. Find the no. that is

1. 2867 less than 7853

$$\begin{array}{r} 7853 \\ - 2867 \\ \hline 4986 \end{array}$$

Ans:- 4986 is 2867 less than 7853

2. 4071 less than 7340

$$\begin{array}{r} 7340 \\ - 4071 \\ \hline 3269 \end{array}$$

Ans:- 3269 is 4071 less than 7340

D. What should be added to

1. 1672 to get 3400?

Soln:- The number to be added = $3400 - 1672$

$$\begin{array}{r} 3400 \\ - 1672 \\ \hline 1728 \end{array}$$

Ans. 1728 should be added to 1672 to get 3400.

2. 978 to get 9780?

Soln:- The number to be added = $9780 - 978$

$$\begin{array}{r} 9780 \\ - 978 \\ \hline 8802 \end{array}$$

Ans. 8802 should be added to 978 to get 9780

Exercise 2.10

Solve these story sums.

1. Riya has 6848 beads. Of these, 3752 beads are red, 1089 are green and the rest are yellow. How many yellow beads does she have?

Soln:-

Total no. of beads	=	6848
No. of red beads	=	3752
No. of green beads	=	1089
No. of yellow beads	=	$6848 - (3752 + 1089)$

$$\begin{array}{r} 3752 \\ + 1089 \\ \hline 4841 \end{array} \quad \begin{array}{r} 6848 \\ - 4841 \\ \hline 2007 \end{array}$$

Ans:- So, the no. of yellow beads are 2007.

2. On Monday, 2523 men, women and children visited the Science Museum. There were 845 men, 639 women and the rest were big cars. How many big cars did it manufacture in 2020?

3. A factory manufactured 75850 cars in 2020, out of which 21046 were small, 34518 were of medium-sized and the rest were big cars. How many big cars did it manufacture in 2020?

Soln:→ Total no. of cars manufactured = 75850
 No. of small cars = 21046
 No. of medium-sized cars = 34518
 No. of small and medium-sized cars = $21046 + 34518$

$$\begin{array}{r} 21046 \\ + 34518 \\ \hline 55564 \end{array}$$

No. of big cars = $75850 - 55564$

$$\begin{array}{r} 75850 \\ - 55564 \\ \hline 20286 \end{array}$$

So, 20286 big cars were manufactured in 2020.

4. The cost of manufacturing a small car was ₹96328. The spare parts cost ₹84256, labour charges ₹8325 and the rest were the overhead expenses for each small car. Find the overhead expenses.

Soln:- Cost of manufacturing a small car = ₹96328.
 Cost of spare part = ₹84256
 Cost of labour charge = ₹8325

Cost of spare part + Cost of labour part
 $= 84256 + 8325$

$$= 92581$$

Overhead expenses = $96328 - 92581$
 $= ₹3747$

$$\begin{array}{r} 96328 \\ - 92581 \\ \hline 3747 \end{array}$$