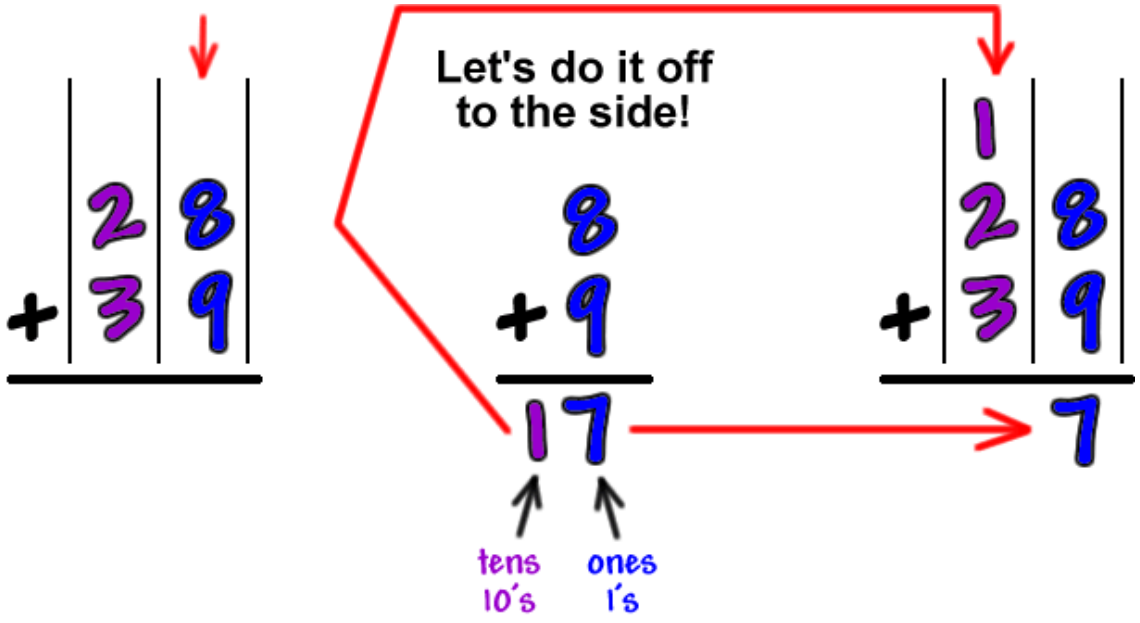
NCERT Class 6 Solutions: Knowing Your Numbers (Chapter 1) Exercise 1.2 – Part 1

Q-1 A book exhibition was held for four days in a school. The number of tickets sold at the counter on the first, second, third and final days was respectively 1094,1812, 2050 and 2751. Find the total number of tickets sold on all the four days.

Understand the addition with carry with two examples



Put the tens guy up in the tens column...
Put the ones guy in the ones answer spot.

Solution:

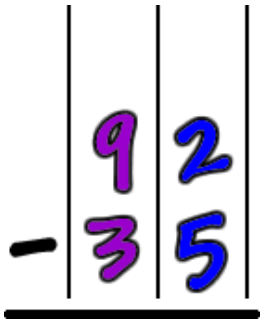
- 1st day tickets $= n_1 = 1094$
- 2nd day tickets $= n_2 = 1812$
- 3rd day tickets $= n_3 = 2050$
- 4th day tickets $= n_4 = 2751$
- Total number of tickets sold on all four days $= N$
- Total ticket sold $= 1094 + 1812 + 2050 + 2751 = 7707$

$$
\begin{aligned}
n_1 &= 1,094 \\
n_2 &= 1,812 \\
n_3 &= 2,050 \\
n_4 &= +\ 2,751 \\
\hline
N &= 7,707
\end{aligned}
$$

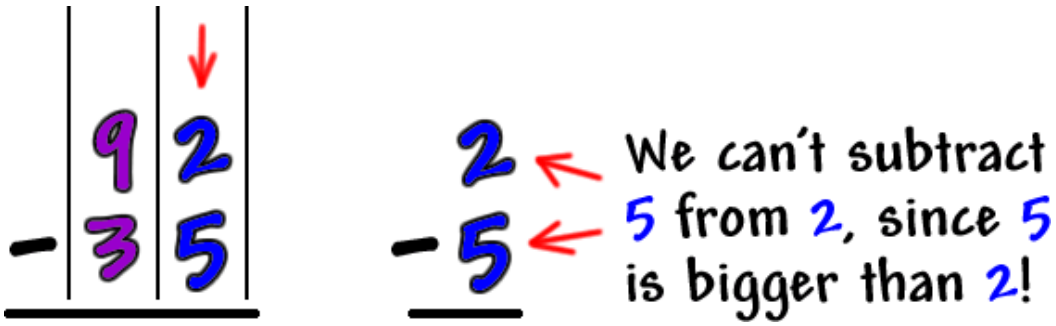
Therefore, $7,707$ tickets were sold on all the four days.

Q-2 Shekhar is a famous cricket player. He has so far scored 6980 runs in test matches. He wishes to complete 10,000 runs. How many more runs does he need?

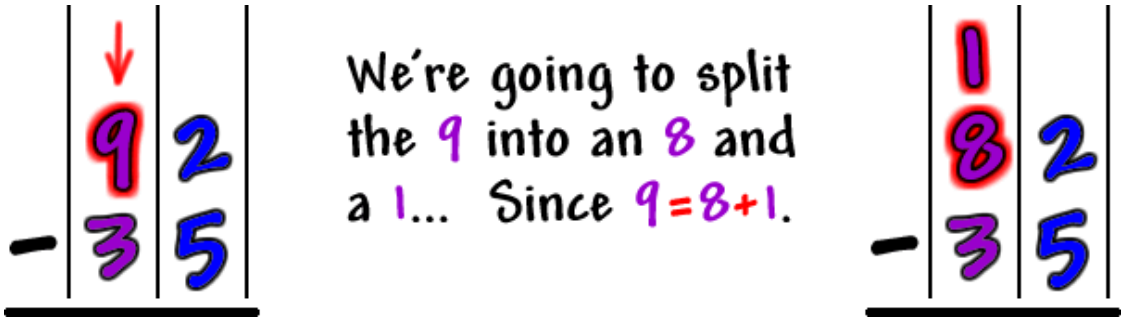
Revision of subtraction with borrow with 92 - 35.

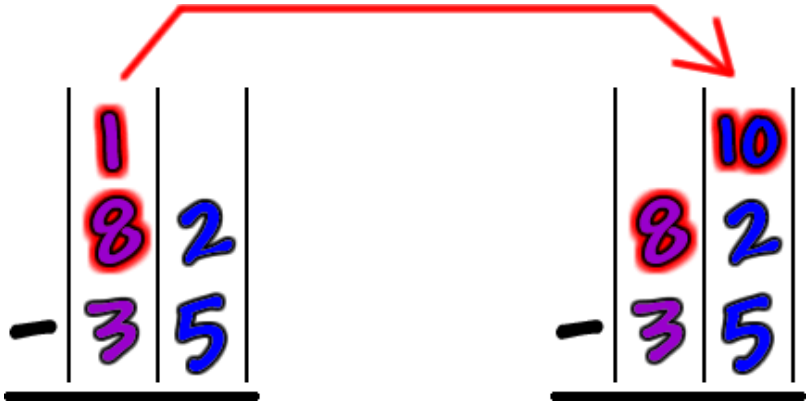


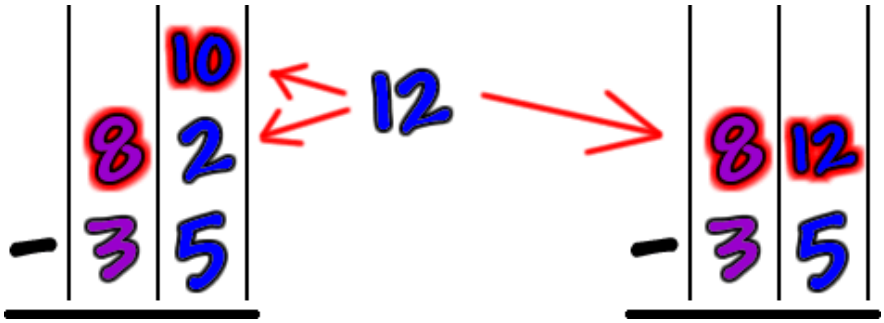
We try to subtract units places

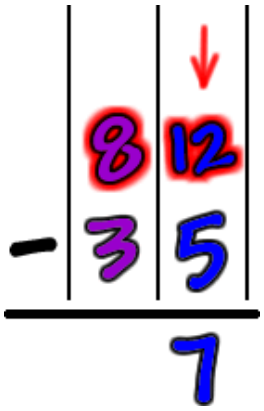


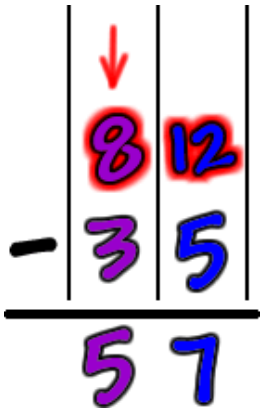
Since 5 cannot be subtracted from 2, we borrow 1 from tens place which is same has 10 once. So the 2 becomes 12.




1
8 2
- 3 5
10
8 2
- 3 5


10
8 2
- 3 5
12
8 12
- 3 5





Solution:

- Shekhar has so far scored $= S_1 = 6,980\ runs$
- He wishes to complete $=$ Total $= 10,000\ runs$

$$\begin{aligned} Total &= 10,000 \\ S_1 &= -\ 6980 \\ \hline Run\ required &= 3,020 \end{aligned}$$

Therefore, he needs 3,020 more runs.

Q-3 In an election, the successful candidate registered $5,77,500$ votes and his nearest rival secured $3,48,700$ votes. By what margin did the successful candidate win the election?

Solution:

- Number of votes secured by successful candidate = $n_1 = 5,77,500$
- Number of votes secured by his nearest rival = $n_2 = 3,48,700$
- Margin between them = N = $n_1 - n_2$

$$\begin{aligned} n_1 &= 5,77,500 \\ n_2 &= 3,48,700 \\ \hline N &= 2,28,800 \end{aligned}$$

Therefore, the successful candidate won by a margin of $2,28,800$ votes.

Q-4 Kirti Bookstore sold books worth $₹.\,2,85,891$ in the first week of June and books worth $₹.\,4,00,768$ in the second week of the month. How much was the sale for the two weeks together? In which week was the sale greater and by how much?

Solution:

- Value of books sold in $1^{st}\,week = ₹.\,2,85,891$
- Value of books sold in $2^{nd}\,week = ₹.\,4,00,768$
- Total sale = sale in $1^{st}\,week$ + sale in $2^{nd}\,week$
- Total sale $= 2,85,891 + 4,00,768$

$$\begin{aligned} 1^{st}\,week\ sale &= \quad 2,85,891 \\ 2^{nd}\,week\ sale &= +4,00,768 \\ \hline Total\ sale &= \quad 6,86,659 \end{aligned}$$

The sale for two weeks together was $6,86,659$

Since $4,00,768 > 2,85,891$, sale in 2^{nd} week was greater than 1^{st} week. Remember difference is always positive.

$$\begin{aligned} 1^{st}\ week\ sale &= \quad 4,00,768 \\ 2^{nd}\ week\ sale &= -2,85,891 \\ \hline Diffrence &= \quad 1,14,877 \end{aligned}$$

$\therefore$ The sale in 2^{nd} week was larger than the sale in 1^{st} *week by* ₹. $1, 14, 877$

Frequently Asked Questions (FAQs)

- **I have a question**

(- pa...@ on 09-Jun-2020)

1 Answer

You can visit Examrace YouTube channel for Class 6 Mathematics video lectures

Similarly there are several other lectures covering important concepts in Mathematics

- pa...@ on 09-Jun-2020