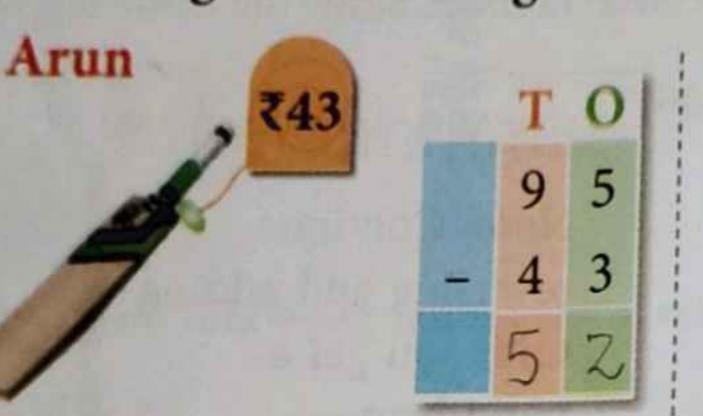
# Subtraction



1. Each child has exactly 95 rupees to spend. The cost of each toy is tshown with it. How much change does each get back?



Arun gets back 52 rupees.



Vocabulary

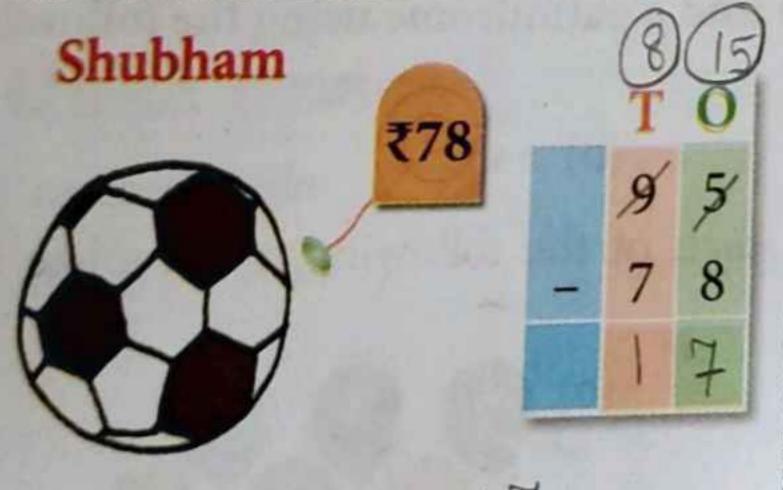
Subtraction

Regroup

Subtract

Borrow

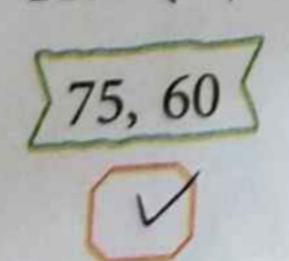
Priya gets back 29

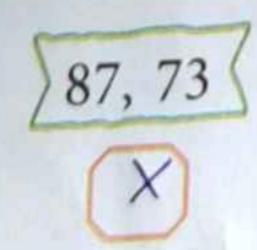


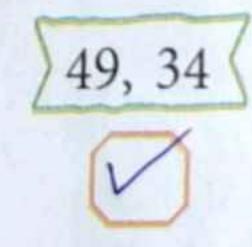
Shubham gets back 17 rupees. Asma gets back 33 rupees.

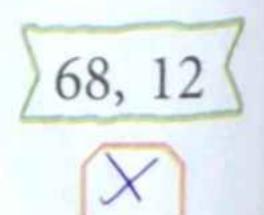


2. Tick (1) the pairs of numbers that have a difference of 15.









# RACTING 3-DIGIT NUMBERS (WITHOUT BORROWING)

Let us subtract 161 from 483. We can subtract one number from the other in the following ways:

$$483 = 400 + 80 + 3$$

$$-161 = -100 - 60 - 1$$

$$= 300 + 20 + 2 = 322$$



#### Using the Short Form

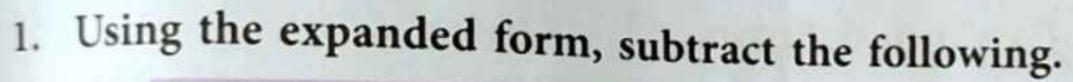
Arrange the numbers one below the other according to place value and subtract columnwise.

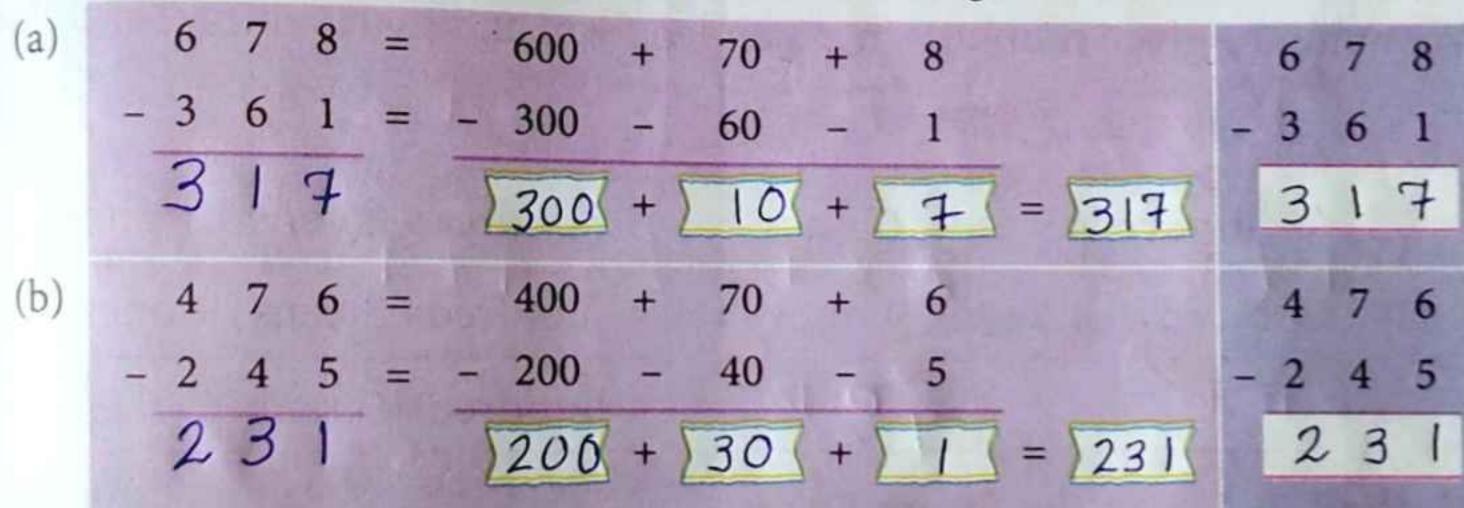
Subtract the tens. 161

3 2 2 → Subtract the hundreds.

So, 
$$483 - 161 = 322$$
.

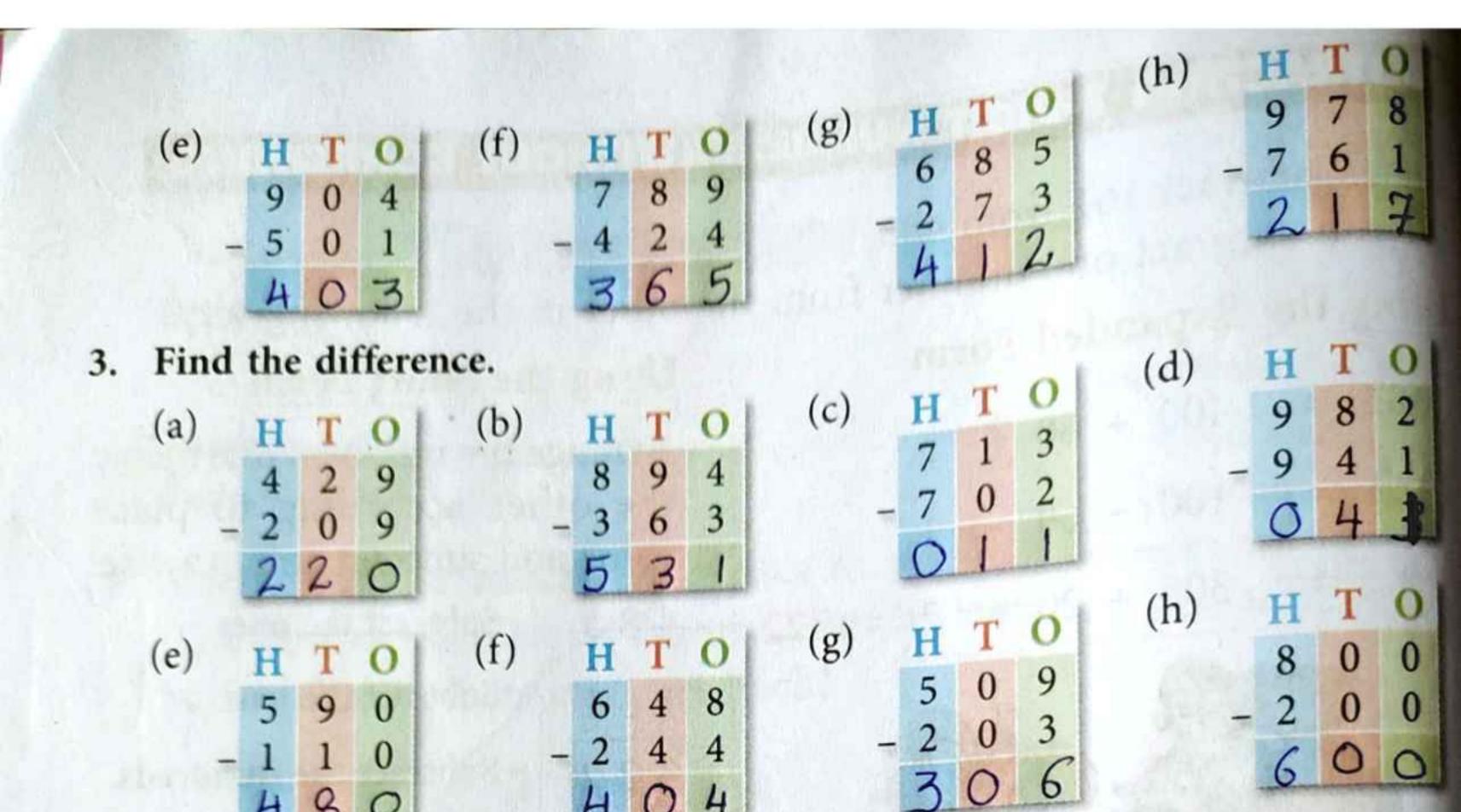
#### Exercise 3A





#### Subtract:

53



# SUBTRACTING 3-DIGIT NUMBERS (WITH BORROWING)

#### Borrowing from tens to ones

Let us subtract 439 from 895.

#### Method 1: Using the Expanded Form

We write the given numbers in expanded form and then subtract as follows

### Method 2: Using the Short Form

Step 1: Subtract the ones. Borrow from tens, if required.

Step 2: Subtract the tens.

Step 3: Subtract the hundreds.

So, 895 - 439 = 456.

#### Exercise 3B

#### Subtract:



1.	H	T	0
		3	11
	6	A	X
	- 2		7
	4	0	4

3.	H	T	0
		4	18
	9	5	8
	- 4	4	9
	5	0	9

4.	Н	T	0
		4	12
	4	8	2
	1	2	3
	3	2	9

5.	Н	T	0
	3	8	11
		2	7
	3	6	

### Borrowing from hundreds to tens and from tens to ones

Let us subtract 389 from 653.

Write the numbers in column form as shown.

Step 1: Subtract the ones. Since 9 > 3, we cannot subtract 9 from 3. So, borrow 1 ten from the tens column.

Then, 4 tens are left in the tens column, and 1 ten (borrowed) + 3 ones = 13 ones in the ones column. Subtracting 9 ones from 13 ones, we get 4 ones.



Step 2: Subtract the tens. Since 4 < 8, we cannot subtract 8 from 4. So, borrow 1 hundred from the hundreds column. Now, we have 5 hundreds left in the hundreds column and 1 hundred (borrowed) + 4 tens = 14 tens in the tens column. Subtracting 8 tens from 14 tens, we get 6 tens.

Step 3: Subtract the hundreds. 5 hundreds - 3 hundreds = 2 hundreds.

So, 653 - 389 = 264.

o the expanded form

$$-\frac{653}{-389} = \frac{600 + 50 + 3}{-300 - 80 - 9} = \frac{600 + 50 + 3}{-300 - 80 - 9} = \frac{600 + 50 + 3}{-300 - 80 - 9} = \frac{500 + 140 + 13}{-300 - 80 - 9} = \frac{500 + 140 + 13}{-300 - 80 - 9} = \frac{500 + 1000}{-300 - 80 - 9} = \frac{500 + 140 + 13}{-300 - 80 - 9} = \frac{500 + 1000}{-300 - 80 - 9} = \frac{500 + 140 + 13}{-300 - 80 - 9} = \frac{500 + 140 + 13}{-300 - 80 - 9} = \frac{500 + 140 + 13}{-300 - 80 - 9} = \frac{500 + 140 + 13}{-300 - 80 - 9} = \frac{500 + 1000}{-300 - 80 - 9} = \frac{500 + 140 + 13}{-300 - 80 - 9} = \frac{500 + 1000}{-300 - 80} = \frac{500 + 1000}{-300 - 80} = \frac{500 + 1000}{-300 - 80} = \frac{500 + 1000}{-300$$

Look at the following examples.



In the last subtraction problem, first borrow 1 hundred from 8 hundreds. Now, in place of 0 tens you have 10 tens in the tens column. Borrow 1 ten from 10 tens. 4 ones + 1 ten (borrowed) become 14 ones in the ones column.

#### Exercise 3C

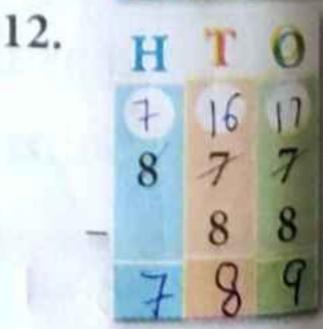
#### Subtract:

	3	1	0
TO Se	1	9	8
	1	7	8
5.	Н	T	0
	3	17	10
	4	8	0
-	1	9	3
	2	8	7
9.	Н	T	0
	4	13	11

Н	T	0	
9	O ł	12	
2	0	2 4	
5	0	8	
Н	T	0	
6	10	7	
3	5	6	
3	5	4	į









14.

H	-	0
2	ji	18
3	0	8
- 1	2	9
1	7	9

15.

	H	T	0
	8	14	
	9	A	5
-	3	8	3
	5	6	2

16.



#### WORD PROBLEMS

Example: The library purchased 435 new books this year for class 2. If 278 of them are storybooks, how many of them are general books?

Solution:

To get the number of general books, we subtract the number of storybooks from the new books purchased.

New books = 435

Storybooks = 278

General books = 435 - 278

= 157

	Н	T	0
		12	
	3	2	15
	4	3	8
-	2	7	8
	1	5	7

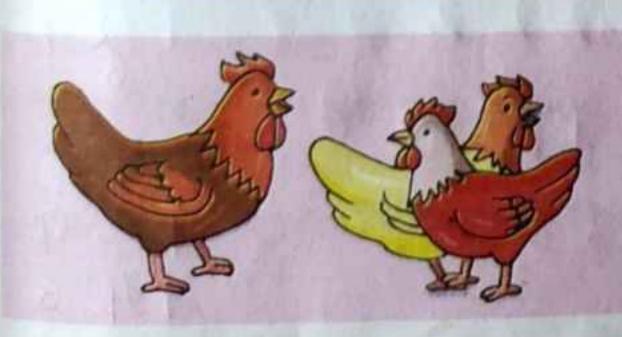
#### Exercise 3D



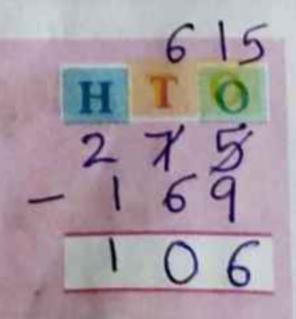
Solve the following word problems.

825 people visited a book fair. 98 of them were children. How many adults were there in the book fair?

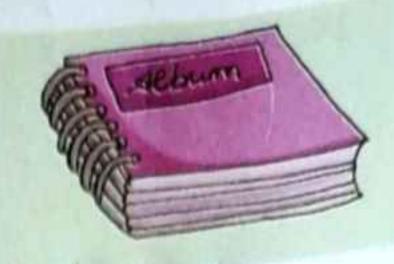




A farmer had 275 chickens. He sold 169 of them. How many chickens were left?

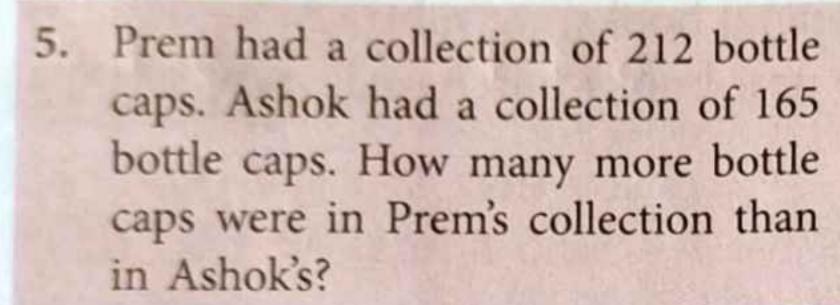


3. George needs 260 pictures to fill his album. He has 185 pictures in the album. How many more pictures can be put in the album?





Navin and his father have travelled 318 km. They are taking a 700 km trip. How much farther they have to travel?







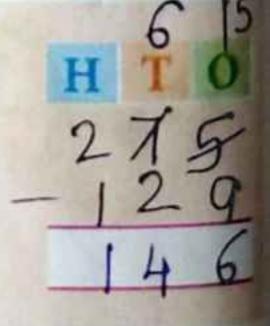
6. Vijay planted 325 small tomato plants. 162 of the plants did we fonl not live. How many plants lived?

7. Manav has 132 marbles. His friend Ajay has 28 marbles less than him. How many marbles does Ajay have?





8. Aadhar is reading a book that has 275 pages. He read 129 pages on the first day. How many pages are left for him to read?





9. Nidhi and Rhea spent ₹900 in a book shop. If Rhea bought a book for ₹465, how much did Nidhi spend?





623 visitors went to the zoo in the month of November. 289 fewer visitors went to the zoo in December. How many visitors went to the zoo in the zoo in the month of December?

5111	3
HTO	/
8 2 3	5
-289	٩

# ADDITION AND SUBTRACTION TOGETHER

As you solve more and more word problems, it will become easier for you to decide whether to add or subtract.

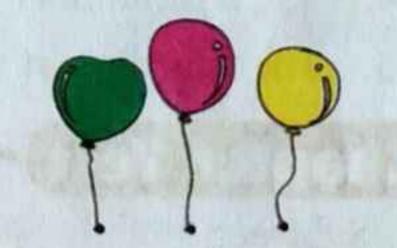
## Read the problems carefully and solve.

1. There are 54 seats in a bus. Out of these, 36 seats are occupied by passengers. How many seats are vacant?



This is a subtraction problem as the question asked is "How many seats are vacant?".

2. A balloon seller had 97 red, 85 green and 80 yellow balloons. How many balloons did he have in all?

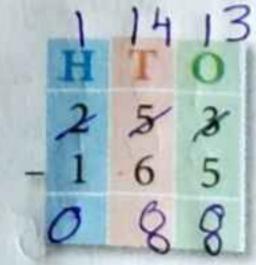


This is an addition problem as the question asked is "How many balloons in all?".

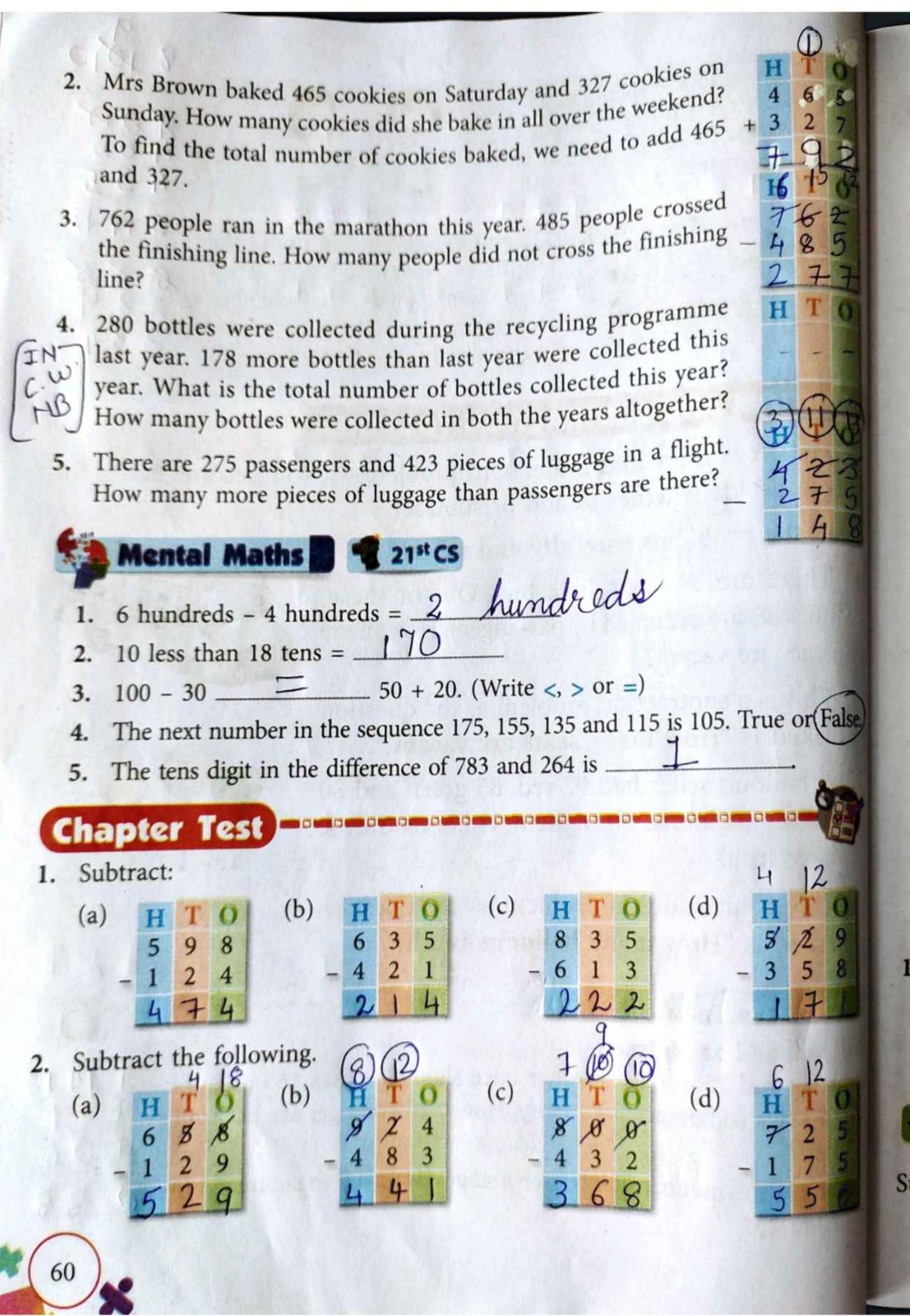
#### Exercise 3E

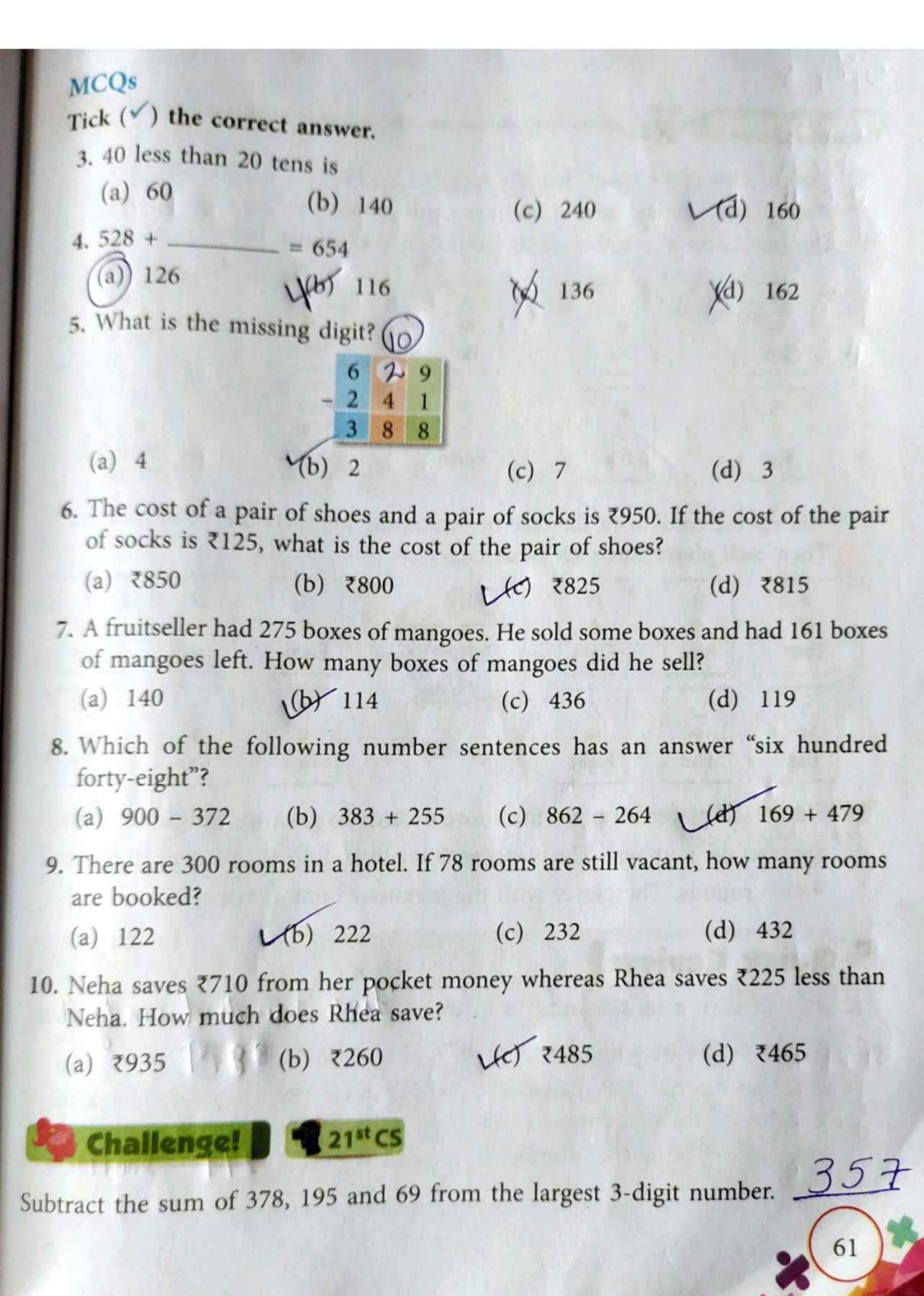
Will you add or subtract?

1. Janet had 253 oranges in her juice shop. She uses 165 oranges to make some juice for a party. How many oranges are left with her?



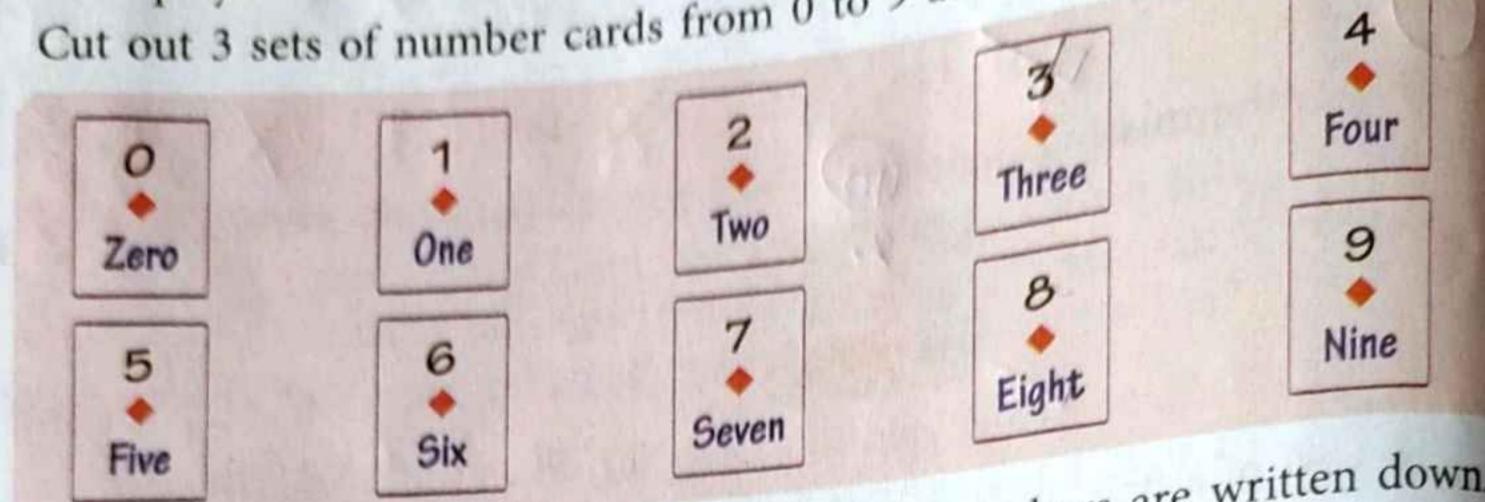
To get the number of left over oranges, we need to subtract 165 from 253.



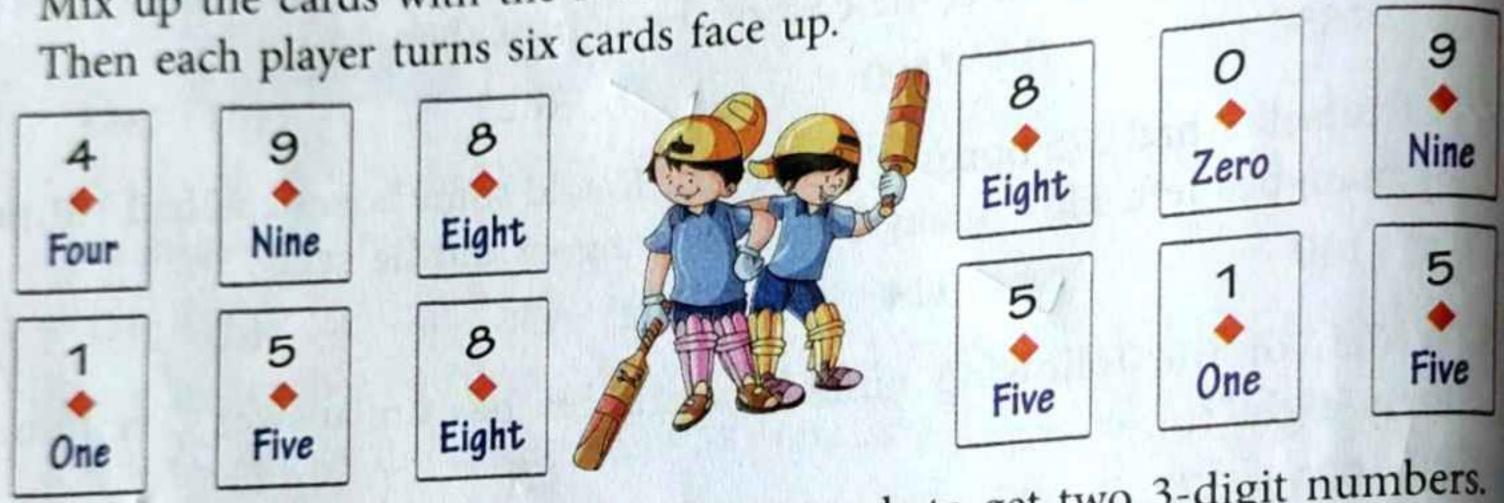


# Fun Activity EL ---

- Two to four players can play the game at a time.
- Each player needs 3 sets of number cards from 0 to 9. Cut out 3 sets of number cards from 0 to 9 as shown below.



Mix up the cards with the face on which the numbers are written down.



- Now, each player arranges the above 6 cards to get two 3-digit numbers.
- Subtract the numbers. The player with the least difference scores 10 points.
- Play 5 rounds. The player with the maximum points wins.

# Quick Review

- Write the sum of 275 and 318 in words. Five hundred ninety to
- Which is the least number: 978, 879, 897 or 987? \ 879
- A bookshop has 578 magazines, out of which 299 are sports magazine and the rest are children's magazines. What is the number of children magazines? Write this number in expanded form. 279

## Worksheet

Solve the problems in column A and match the differences to the numbers given in column B.

	Column A
1.	5 0 9 (C) 2 3 9 (C)
2.	9 10 10 9 10 8 5 9 6 3 1 4 Cd)
3.	6 12 15 7 3 5 4 8 9 2 4 6 (e)
4.	- 6 8 4 (a) 9 8 4 (a)
5.	- 4 9 8 2 0 2 (b)

