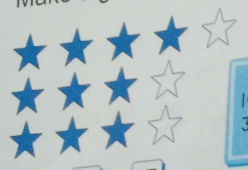
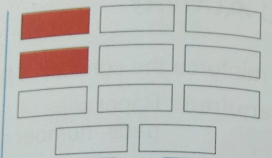


Chapter 6 of Numbers upto 20  
 Addition of numbers: Adding two single digit numbers.  
 Make a group of ten then add



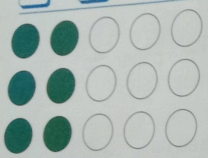
$$10 + 3 = 13$$

10 and 3 is 13



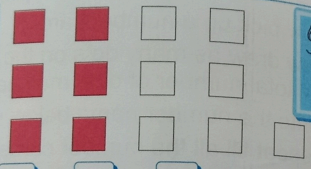
$$2 + 9 = 11$$

2 and 9 is 11



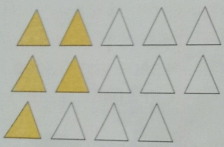
$$6 + 9 = 15$$

6 and 9 is 15



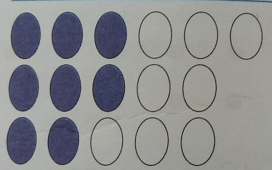
$$6 + 7 = 13$$

6 and 7 is 13



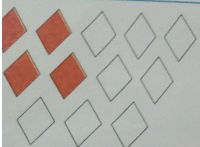
$$5 + 9 = 14$$

5 and 9 is 14



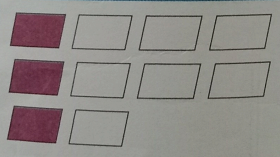
$$8 + 8 = 16$$

8 and 8 is 16



$$4 + 8 = 12$$

4 and 8 is 12



$$3 + 7 = 10$$

3 and 7 is 10

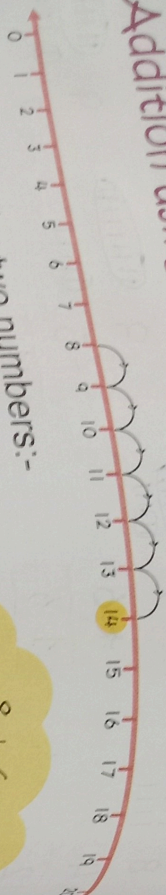
Draw lines and circle to make 10. Then add.

$\begin{array}{r} 8 \\ +4 \\ \hline 12 \end{array}$	$\begin{array}{r} 7 \\ +6 \\ \hline 13 \end{array}$	$\begin{array}{r} 9 \\ +5 \\ \hline 14 \end{array}$	$\begin{array}{r} 9 \\ +7 \\ \hline 16 \end{array}$
$\begin{array}{r} 7 \\ +5 \\ \hline 12 \end{array}$	$\begin{array}{r} 8 \\ +7 \\ \hline 15 \end{array}$	$\begin{array}{r} 9 \\ +8 \\ \hline 17 \end{array}$	$\begin{array}{r} 8 \\ +3 \\ \hline 11 \end{array}$

Adding double and single digit numbers (Draw dots)

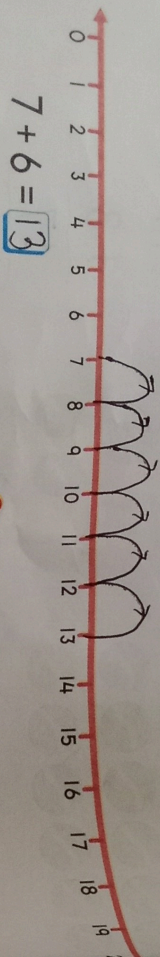
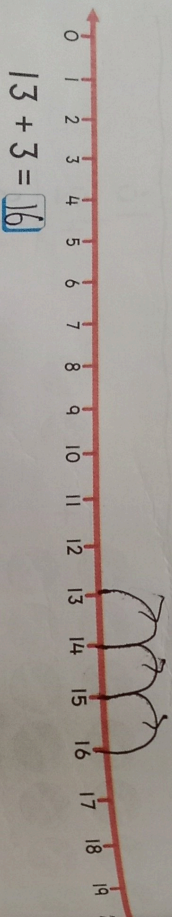
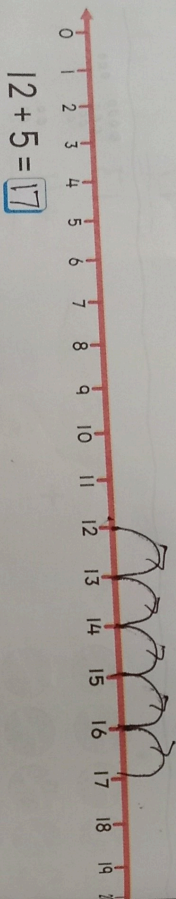
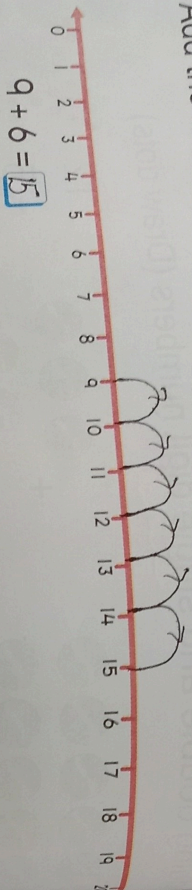
	+		$\begin{array}{r} 12 \\ +5 \\ \hline 17 \end{array}$
	+		$\begin{array}{r} 13 \\ +4 \\ \hline 17 \end{array}$
	+		$\begin{array}{r} 16 \\ +2 \\ \hline 18 \end{array}$
	+		$\begin{array}{r} 14 \\ +3 \\ \hline 17 \end{array}$

## Addition using number line

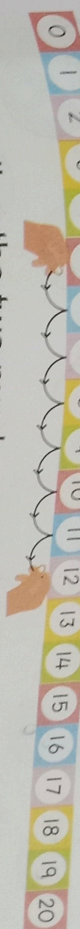


- While adding the two numbers:-
- Start with the first number.
- Take as many jumps forward as the second number.
- The number you reach is the sum.

Add the following using number line.

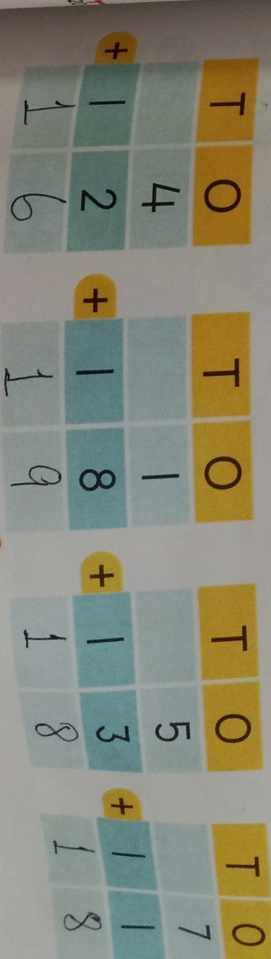
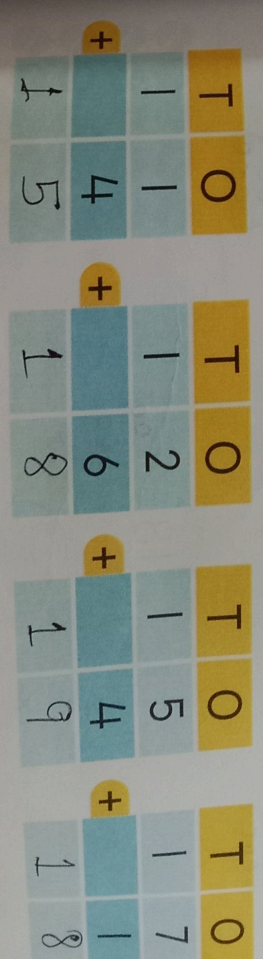
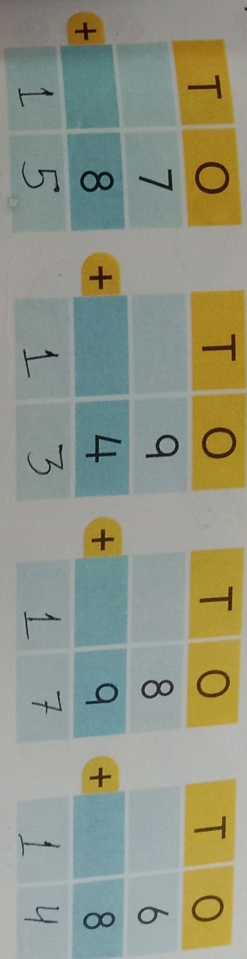


## Addition using the number strip

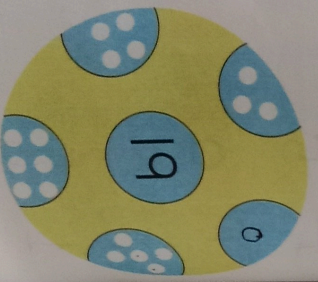
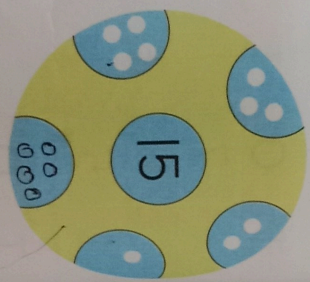
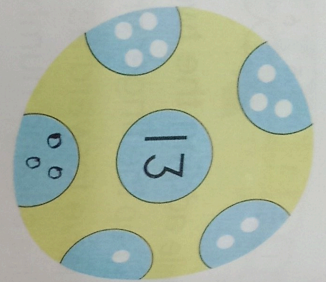
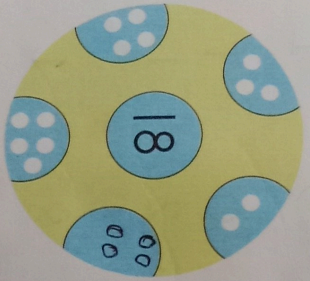
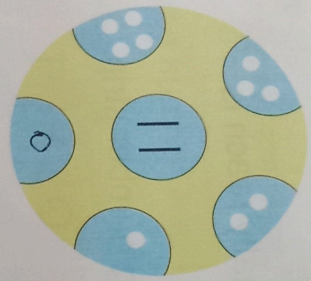
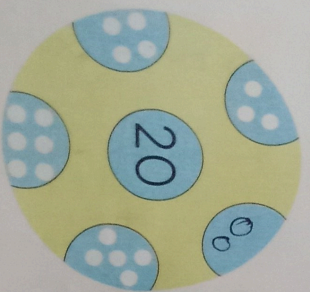
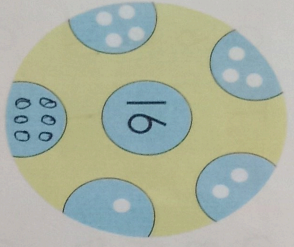
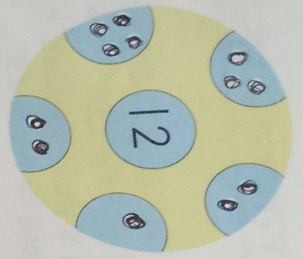


- While adding the two numbers:
- Keep the finger on the first number.
- Move forward as many boxes as the second number.
- The number you finally reach is the sum.

Add the following using number strip.

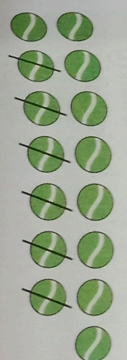


Draw the remaining dots to match the number in the centre



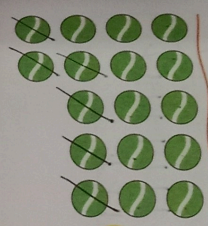
### Subtraction of numbers

Make a group of ten then cross out to find the number left.

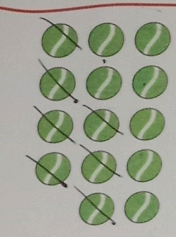


Think of 15 as 10 and 5. Now cross out from the loose ones.

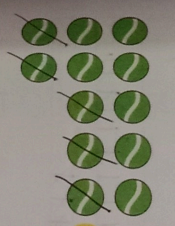
$$\begin{array}{r} 15 \\ - 6 \\ \hline 9 \end{array}$$



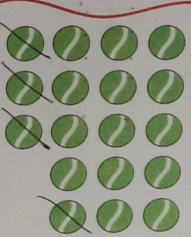
$$\begin{array}{r} 17 \\ - 6 \\ \hline 11 \end{array}$$



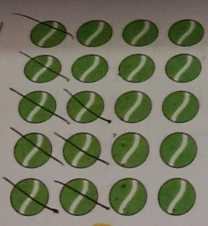
$$\begin{array}{r} 14 \\ - 7 \\ \hline 7 \end{array}$$



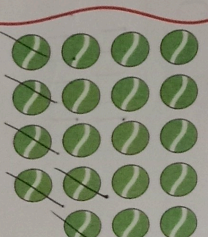
$$\begin{array}{r} 22 \\ - 5 \\ \hline 17 \end{array}$$



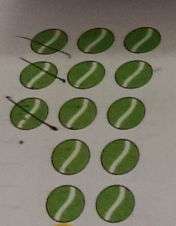
$$\begin{array}{r} 18 \\ - 4 \\ \hline 14 \end{array}$$



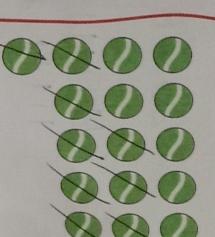
$$\begin{array}{r} 20 \\ - 12 \\ \hline 8 \end{array}$$



$$\begin{array}{r} 19 \\ - 14 \\ \hline 5 \end{array}$$



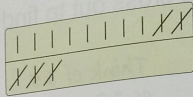
$$\begin{array}{r} 13 \\ - 3 \\ \hline 10 \end{array}$$



$$\begin{array}{r} 16 \\ - 9 \\ \hline 7 \end{array}$$

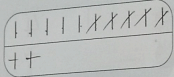
Find the difference by drawing sticks and crossing them out.

$$13 - 5 = 8$$

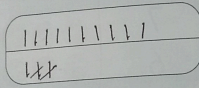


Think of 13 as 10 and 3 and start crossing from the loose ones.

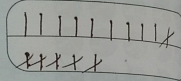
$$12 - 7 = 5$$



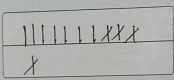
$$13 - 2 = 11$$



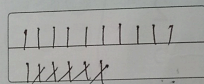
$$15 - 6 = 9$$



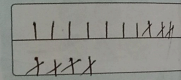
$$11 - 4 = 7$$



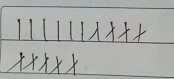
$$16 - 5 = 11$$



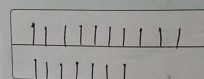
$$14 - 7 = 7$$



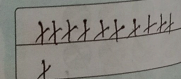
$$15 - 9 = 6$$



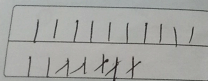
$$17 - 0 = 17$$



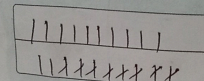
$$11 - 11 = 0$$



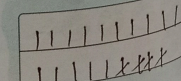
$$17 - 5 = 12$$



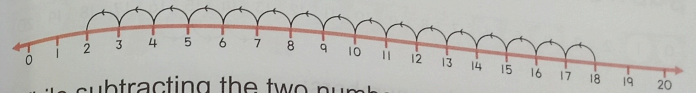
$$20 - 8 = 12$$



$$19 - 4 = 15$$



## Subtraction using number line

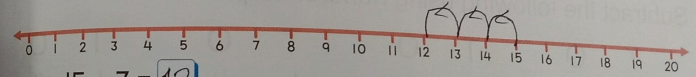


While subtracting the two numbers:-

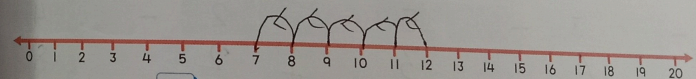
- Start with greater number.
- Take as many jumps backward as the second number.
- The number you reach is the difference.

18 - 16 = 2  
start with 18. Take 16 jumps to the left to reach 2.

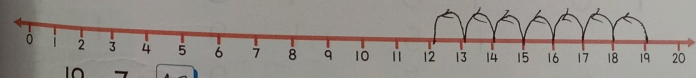
Subtract the following using number line.



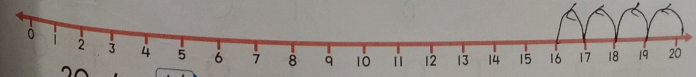
$$15 - 3 = 12$$



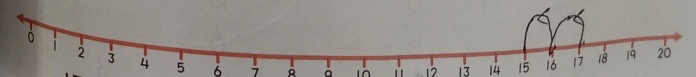
$$12 - 5 = 7$$



$$19 - 7 = 12$$

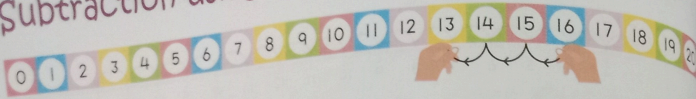


$$20 - 4 = 16$$



$$17 - 2 = 15$$

# Subtraction using the number line



- While subtracting the two numbers:
- Keep the finger on the greater number.
  - Move backward as many boxes as the smaller number.
  - The number you finally reach is the difference.

$16 - 4 = 12$   
 from 16 move backward 4 boxes to reach 12.

Subtract the following using number strip.

T	O	T	O	T	O	T	O
	9		8	1	4	1	2
-	3	-	5	-	2	-	4
	6		3	1	2		8

T	O	T	O	T	O	T	O
1	1	1	5	1	9	1	7
-	4	-	7	-	9	-	5
	7		8	1	0	1	2

T	O	T	O	T	O	T	O
1	3	1	6	1	8	2	0
-	5	-	5	-	6	-	8
	8	1	1	1	2	1	2

Cross out a circle with extra dots to match the number in the centre.

- Circle 1: Central number 18. 1 dot in a surrounding circle. (Crossed out)
- Circle 2: Central number 16. 3 dots in surrounding circles. (Crossed out)
- Circle 3: Central number 15. 2 dots in surrounding circles. (Crossed out)
- Circle 4: Central number 17. 1 dot in a surrounding circle. (Crossed out)
- Circle 5: Central number 13. 3 dots in surrounding circles. (Crossed out)
- Circle 6: Central number 11. 2 dots in surrounding circles. (Crossed out)
- Circle 7: Central number 19. 1 dot in a surrounding circle. (Crossed out)
- Circle 8: Central number 20. 2 dots in surrounding circles. (Crossed out)

# Word Problems

Circle the box that matches with the question. Then add or subtract.

There are 6 tomatoes in one plant and 7 tomatoes on the other. Sonia plucks all of them. How many tomatoes does she have now?



+	6	-
	7	
	13	

There were 20 mangoes growing on the tree. 5 of them fell down. How many mangoes are left on the tree?



+		-
		20
		5
		15

Parth had 10 pencils. Pranav had 3 more than him. How many pencils does Pranav have?



+	10	-
	3	
	13	

Shipra bought 10 sarees. She gave no saree to her sister. How many sarees does she have now?



+		-
		10
		0
		10

There are 12 oranges in the basket. 5 oranges were found rotten. How many oranges are in good condition in the basket?



+		-
		12
		5
		7

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Add or subtract by putting (+) or (-) as per the requirement.

I had 18 toffees. I ate 5 of them. How many toffees do I have now?



-	18	-
	5	
	13	

I had 8 pencils. I got 4 more. How many pencils do I have now?



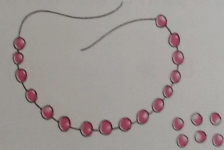
+	8	-
	4	
	12	

Parth read 20 pages of the story book. Ritika read 7 pages less than him. How many pages did Ritika read?



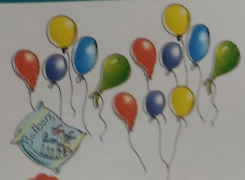
-	20	-
	7	
	13	

There were 16 beads in the string. Alka puts 6 more. How many beads are there in the string now?



+	16	-
	6	
	22	

There were 13 balloons in the packet. Vibhore blew all of them. Find the number of balloons in the packet now.



-	13	-
	13	
	0	

81