



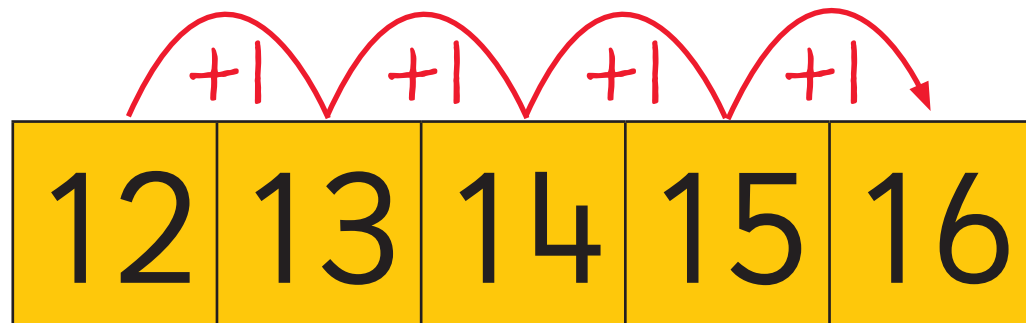
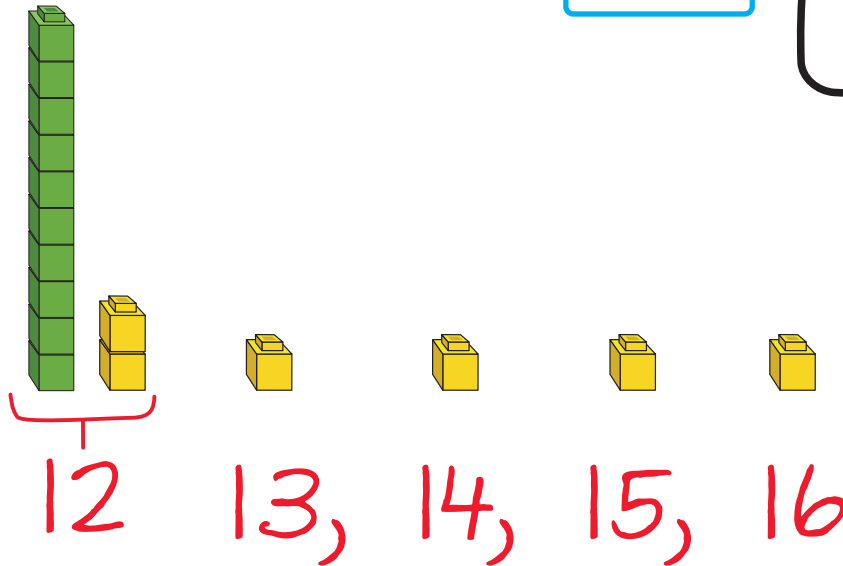
Our Strategy Wall





Count On

$$12 + 4 = 16$$



I counted on from 12:
... 13, 14, 15, 16.



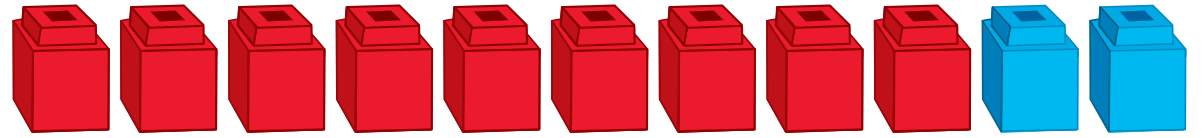
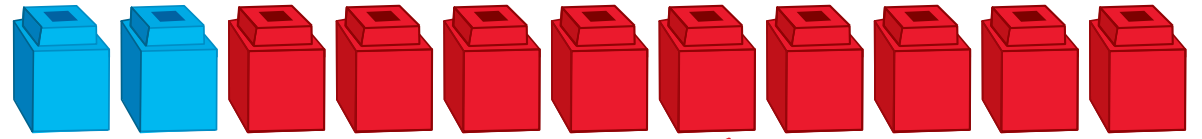


Count On from Larger Number

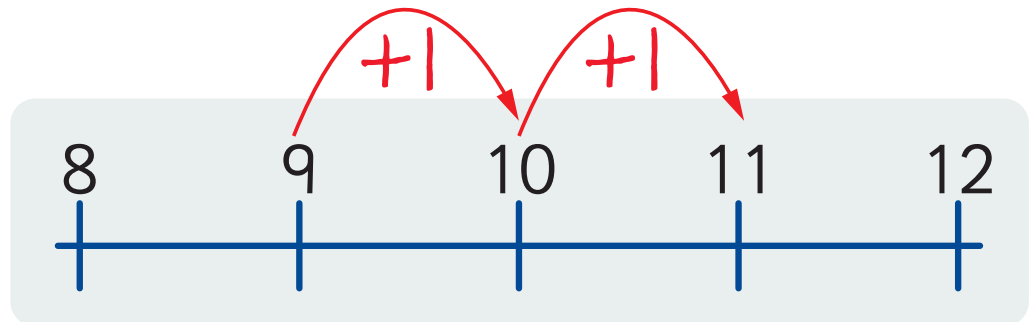
I counted on from 9: ... 10, 11.



$$2 + 9 = \boxed{11}$$



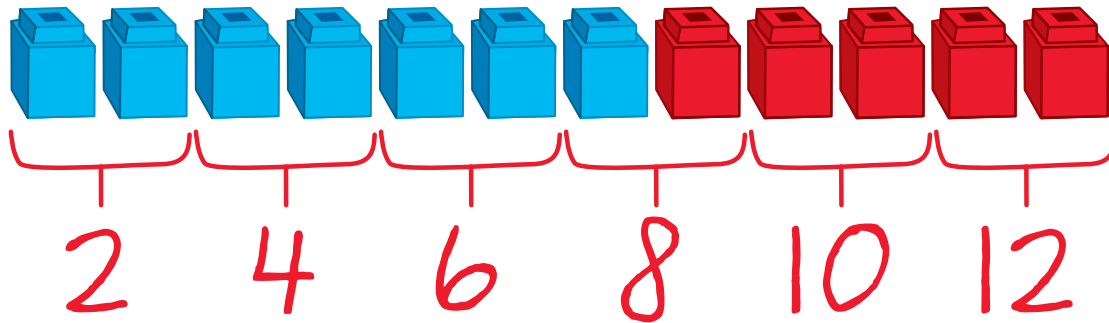
9 10, 11



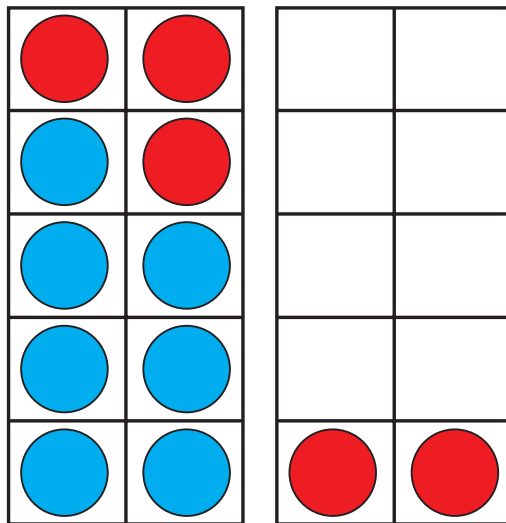


Count in Groups

$$7 + 5 = 12$$



I counted in 2s:
2, 4, 6, 8, 10, 12.



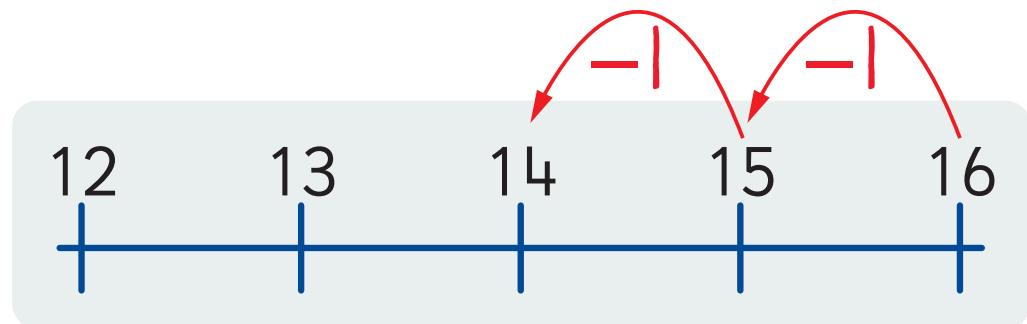
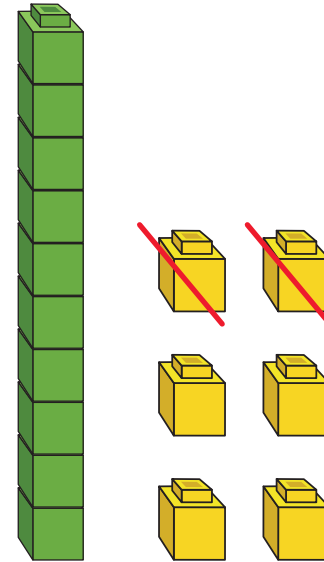


Count Back to Subtract

I counted back from 16: ... 15, 14.

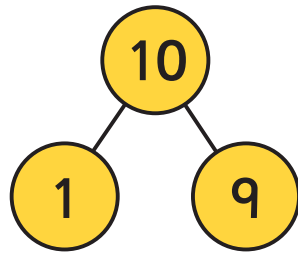


$$16 - 2 = 14$$





Number Bonds of 10

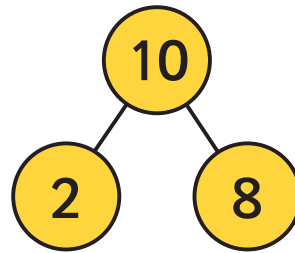


$1 + 9 = 10$

$9 + 1 = 10$

$10 - 9 = 1$

$10 - 1 = 9$

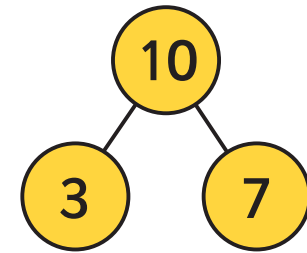


$2 + 8 = 10$

$8 + 2 = 10$

$10 - 8 = 2$

$10 - 2 = 8$

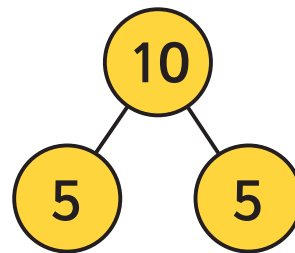
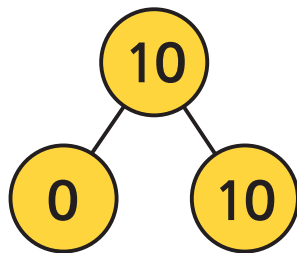
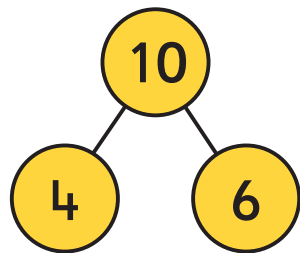


$3 + 7 = 10$

$7 + 3 = 10$

$10 - 7 = 3$

$10 - 3 = 7$



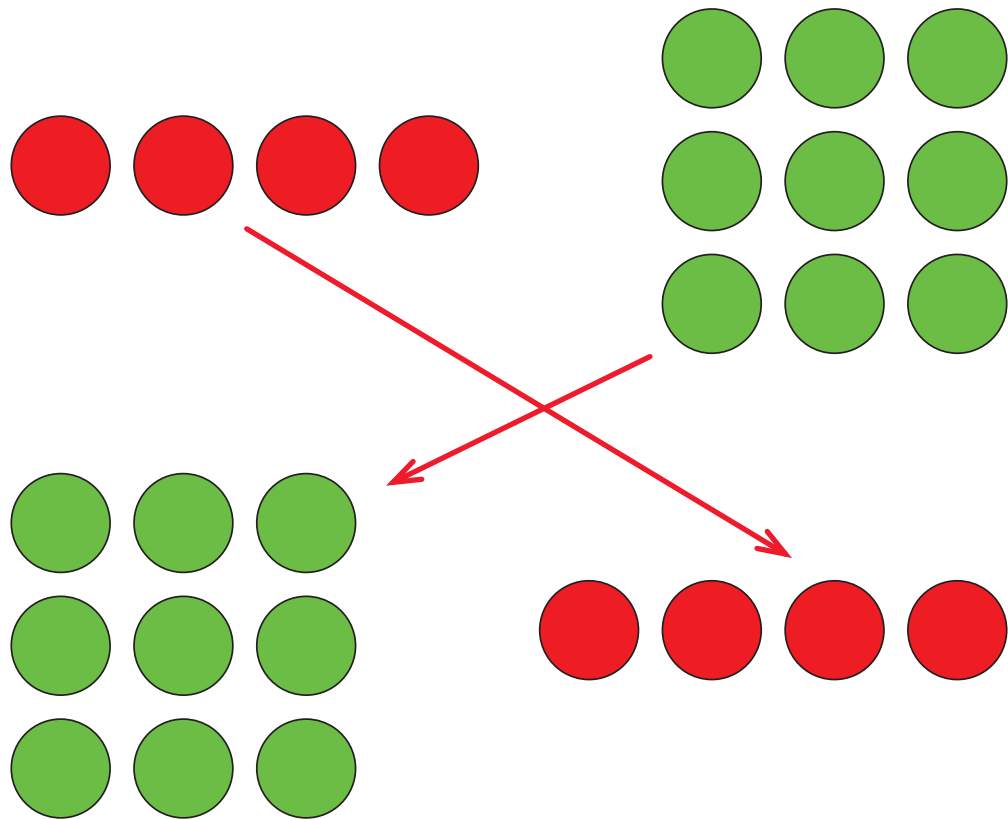
I made 10.





Turnaround Facts

I know that $4 + 9$ is the same answer as $9 + 4$.





Add and Subtract 1

$$16 + 1 = 17$$



I counted on 1.



$$17 - 1 = 16$$



I counted back 1.





Add and Subtract 0

$$17 + 0 = \boxed{17} \quad 17 - 0 = \boxed{17}$$

15	16	17	18
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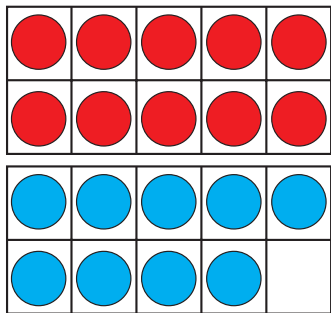


0 makes
no change.



Add and Subtract 10

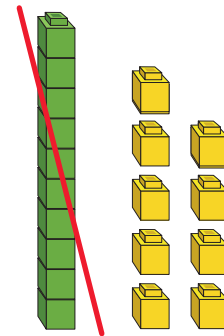
$$9 + 10 = 19$$



I added
1 ten.

8	9	10
18	19	20
28	29	30

$$19 - 10 = 9$$



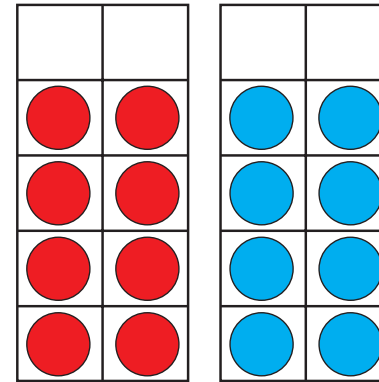
I took away
1 ten.

8	9	10
18	19	20
28	29	30

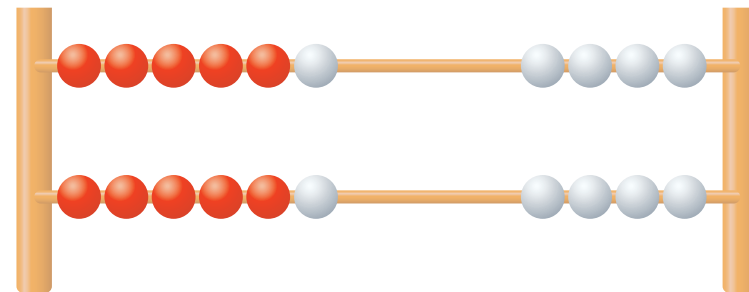


Doubles

Adding a number
to itself is a double.
We say that the
number is doubled.



$$8 + 8 = 16$$



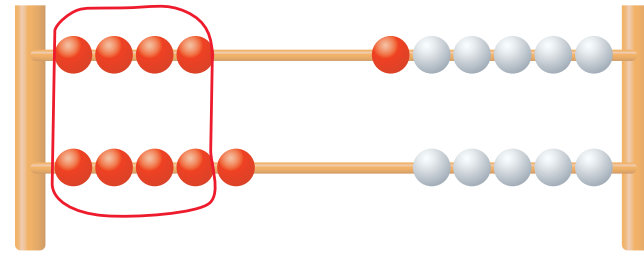
$$6 + 6 = 12$$



Near Doubles

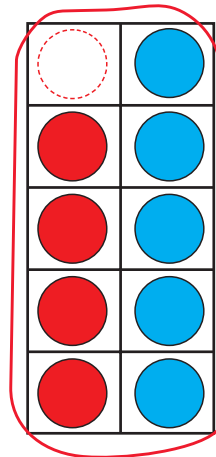
Think of doubles.

$$4 + 5 = \boxed{9}$$



$4 + 4 = 8$
so $4 + 5 = 9$

$5 + 5 = 10$
so $4 + 5 = 9$

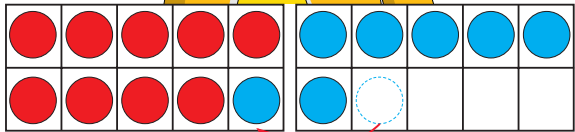




Add 9

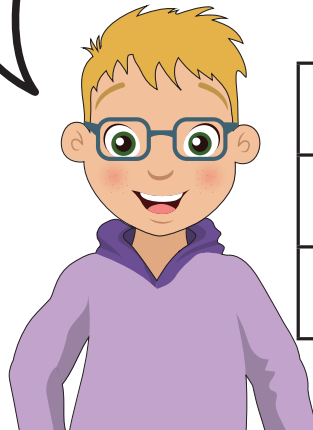
$$9 + 7 = 16$$

I moved 1 to make a ten.



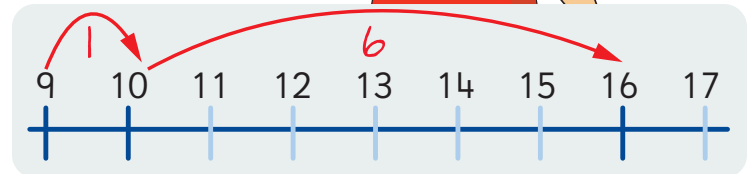
$$\begin{array}{c} \cancel{9} + \cancel{7} = 16 \\ \begin{array}{c} 10 \\ 6 \end{array} \end{array}$$

I know $10 + 7 = 17$, so $9 + 7 = 16$.



6	7	8
16	17	18
26	27	28

I jumped on to the ten and then on the rest.

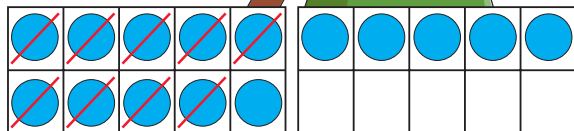




Subtract 9

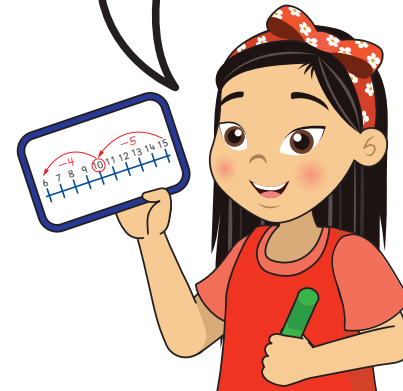
$$15 - 9 = \boxed{6}$$

I know
 $15 - 10 = 5$,
so $15 - 9 = \boxed{6}$.



4	5	6
14	15	16
24	25	26

I jumped back to
the ten, and then
back the rest.





Count On to Subtract

$$19 - 16 =$$

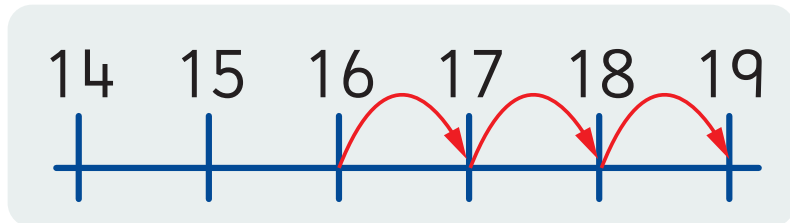
3



Think: 16 and what = 19?

19	
16	?

I counted on from 16 to 19.
16 ... 17, 18, 19.



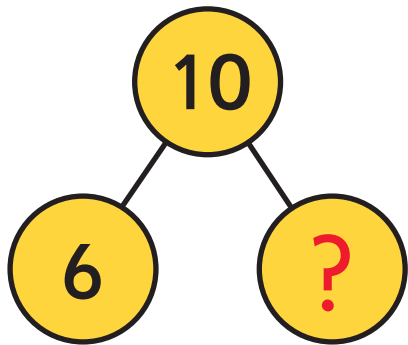


Subtract using Number Bonds of 10

$$10 - 6 = \boxed{4}$$



Think: 6 and what = 10?



10	
6	?

$$6 + \boxed{4} = 10$$

so

$$10 - 6 = \boxed{4}$$



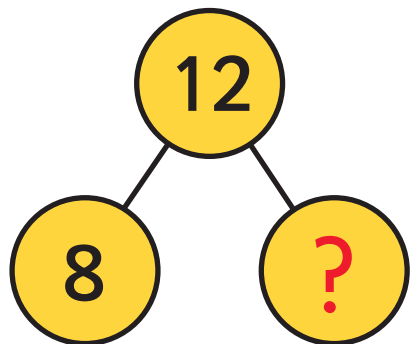


Subtract using Addition (inverse)

$$12 - 8 = \boxed{4}$$



Think: 8 and what is 12?



12	
8	?

I know that

$$8 + 4 = \boxed{12},$$

so

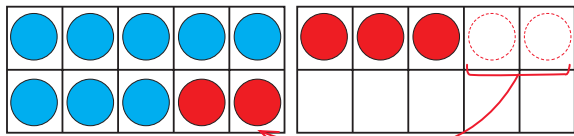
$$12 - 8 = \boxed{4}.$$



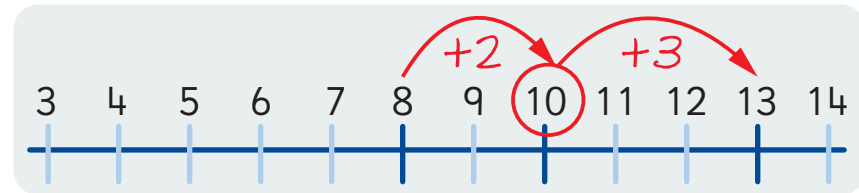


Add using 10 as a Friendly Number

$$8 + 5 = 13$$



$$\begin{array}{c} \cancel{8} + \cancel{5} = 13 \\ \begin{array}{cc} 10 & 3 \end{array} \end{array}$$



I moved 2 to make a ten.



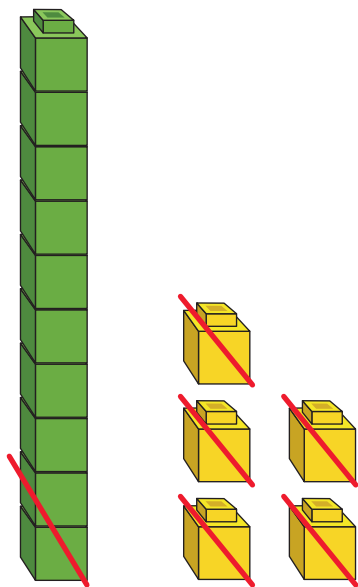
I jumped on to the ten and then on the rest.



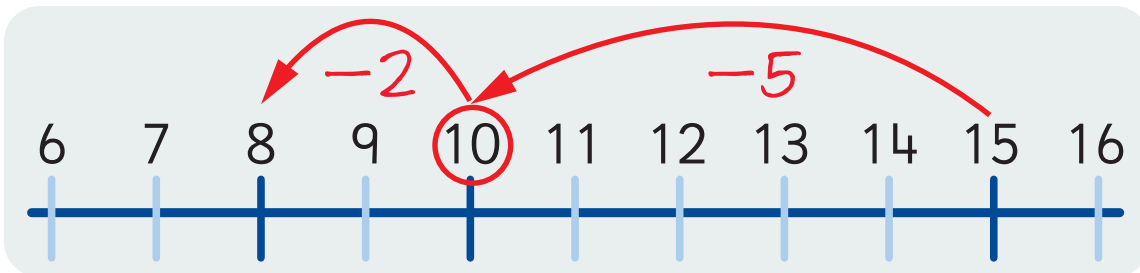


Subtract using 10 as a Friendly Number

$$15 - 7 = \boxed{8}$$



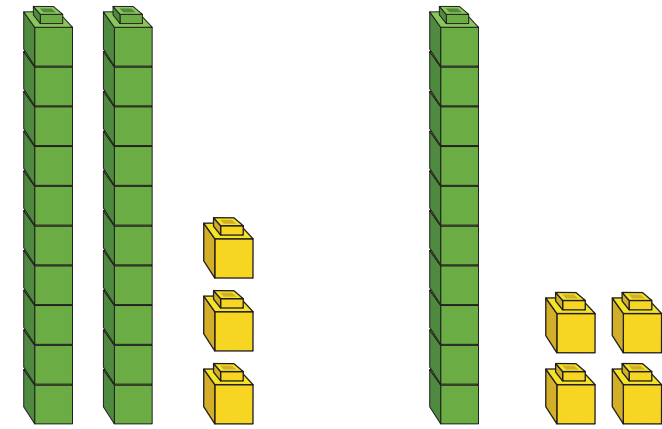
I subtracted the ones to leave the ten. Then, I subtracted the rest from the ten.



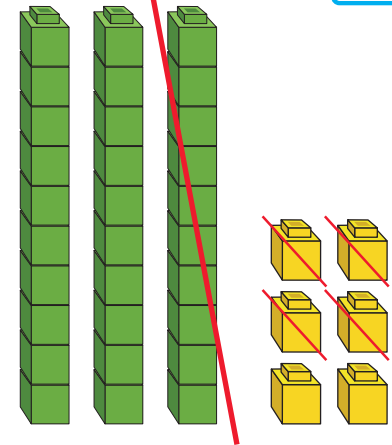


Add and Subtract using Partitioning

$$23 + 14 = 37$$



$$36 - 14 = 22$$

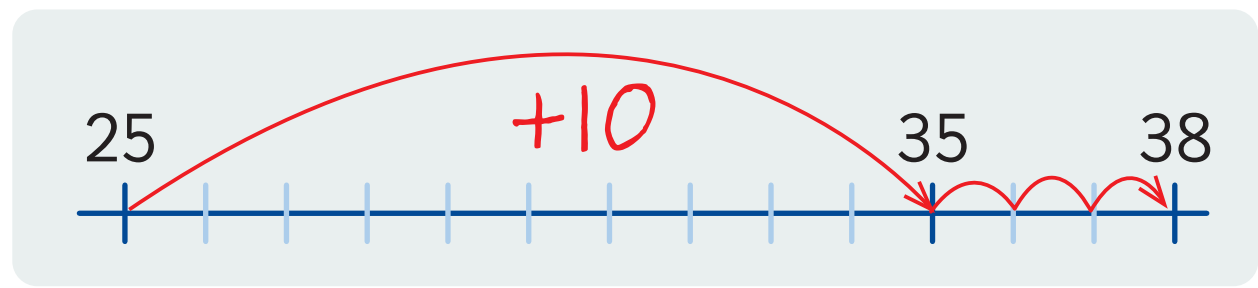


I did the tens parts and then the ones parts.



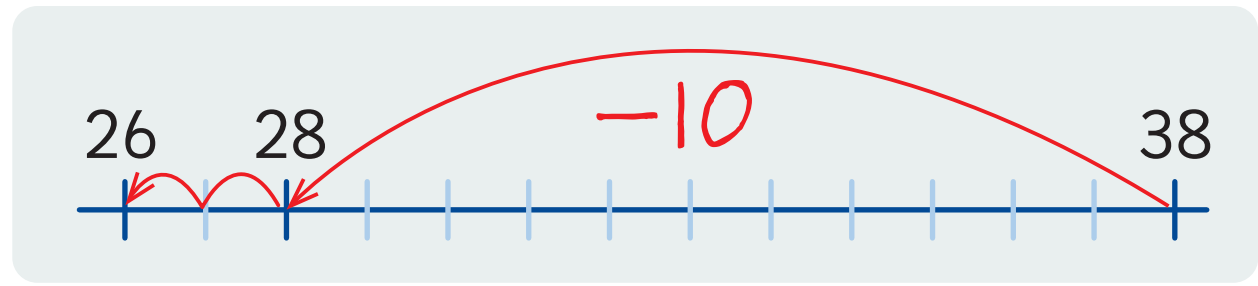
Add and Subtract in Chunks

$$25 + 13 = \boxed{38}$$



I did the tens and then the ones.

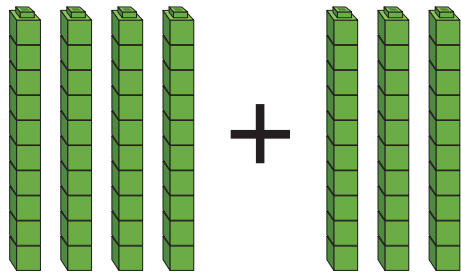
$$38 - 12 = \boxed{26}$$





Related Facts

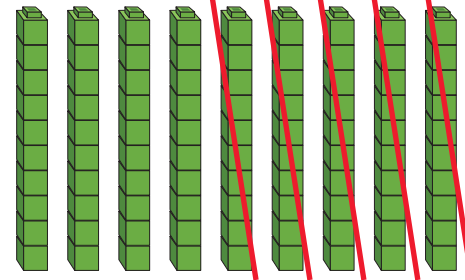
$$40 + 30 = \boxed{70}$$



I know $4 + 3 = \boxed{7}$,
so 4 tens + 3 tens
= 7 tens or 70.



$$90 - 50 = \boxed{40}$$



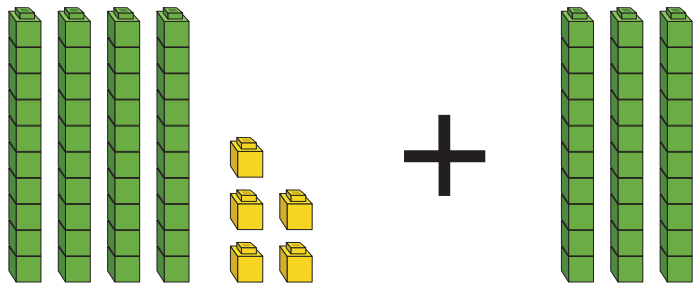
I know $9 - 5 = \boxed{4}$,
so 9 tens - 5 tens
= 4 tens or 40.





Add and Subtract Tens

$$45 + 30 = \boxed{75}$$



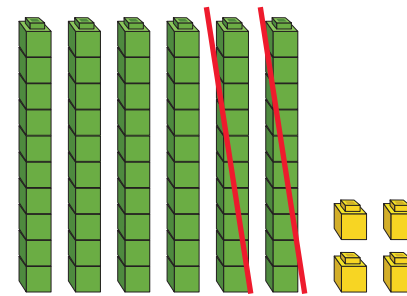
The ones don't change.



+30

43	44	45	46
53	54	55	56
63	64	65	66
73	74	75	76

$$64 - 20 = \boxed{44}$$



I subtracted tens, the ones didn't change.



-20

43	44	45
53	54	55
63	64	65



Add using Column Method

	T	O
	3	6
+	2	9
<hr/>		
	6	5

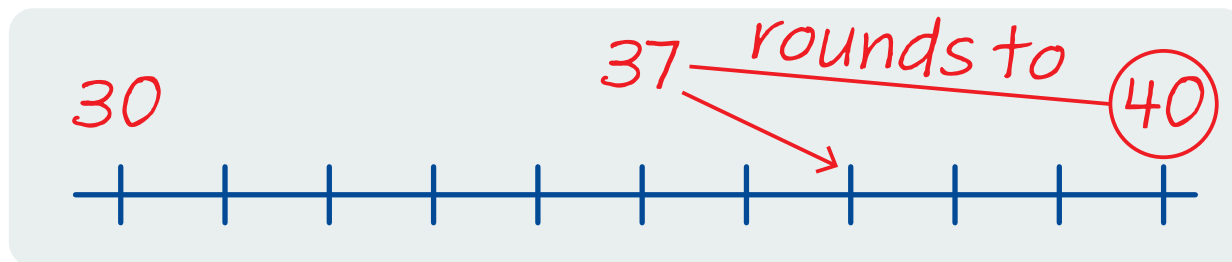


Add the ones
and carry over any
new tens made.
Then add all the tens.



Rounding to the Nearest 10

37 rounds to 40



Find the nearest multiples of ten.
Round to the closer ten.



What if the number is in the middle?

