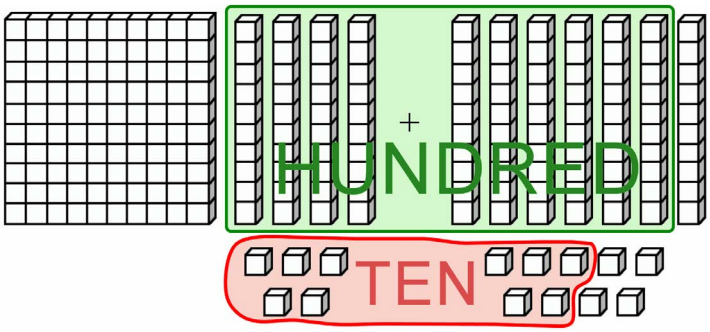
Add in Columns: Regrouping Twice

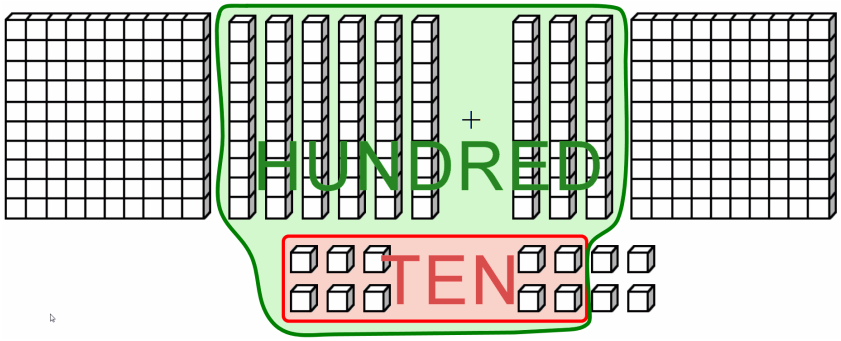


145 + 79

10 ones form a new ten. 10 tens form a new hundred.

The total is 224. Can you see that in the picture?

(You can also use manipulatives to do this problem.)



166 + 138

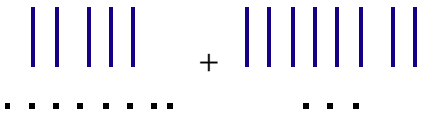
10 ones form a new ten. 10 tens form a new hundred.

The total is 304. Can you see that in the picture?

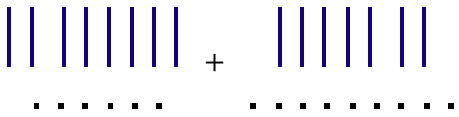
(You can also use manipulatives to do this problem.)

You have to regroup the ones and the tens. You have to regroup two times.

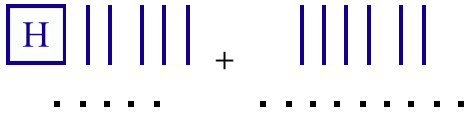
1. Circle ten 1-dots to make a new ten, AND circle ten 10-sticks to make a new hundred. Write the addition. Alternatively, you can do these exercises using base-ten blocks or similar manipulatives.

a. 

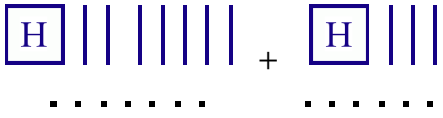
_____ + _____ = _____

b. 

_____ + _____ = _____

c. 

_____ + _____ = _____

d. 

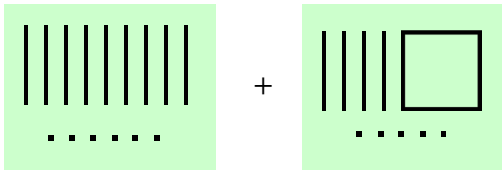
_____ + _____ = _____

hundreds	tens	ones
	1	1
	1	8	7
+	1	3	8
	3	2	5

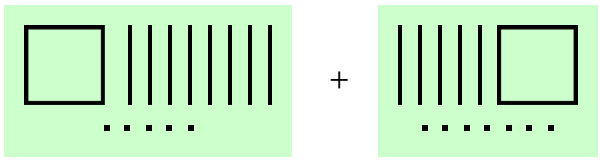
Add in the ones column: 7 + 8 = 15.
There are more than 10 ones, so regroup them as 1 ten 5 ones, writing "1" in the tens column.

Add in the tens column: 1 + 8 + 3 = 12.
There are 10 tens, so regroup them as 1 hundred, writing "1" in the hundreds column.

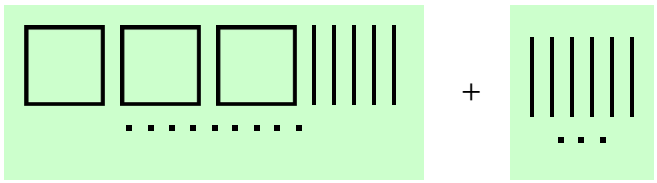
2. Write the numbers in the grid, and add. Regroup. You can circle 10 ten-sticks AND 10 ones in the picture to help you. Alternatively, you can do these exercises using base-ten blocks or similar manipulatives.

a. 

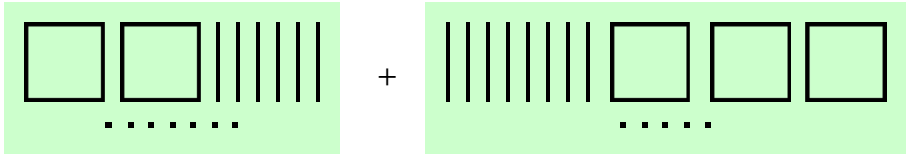
96 + 145

b. 

185 + 157

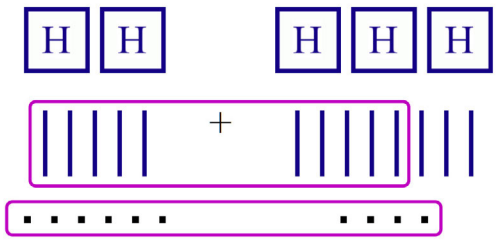
c. 

359 + 63

d. 

267 + 385

3. Mary added 256 and 384 using the picture. Explain how she did it.



256 + 384 = 6 hundreds and 4 tens = 640

4. Add. Regroup two times if necessary.

a. 306 + 461	**b.** 299 + 225	**c.** 488 + 322	**d.** 115 + 536
e. 704 + 156	**f.** 260 + 341	**g.** 248 + 376	**h.** 173 + 646
i. 404 + 199 + 156	**j.** 701 + 129 + 101	**k.** 335 + 219 + 278	**l.** 103 + 280 + 547

5. Matt solved 650 + 331 in an interesting way. Can you follow his thinking? Fill in.

First I check the hundreds: 600 + 300 makes _____.

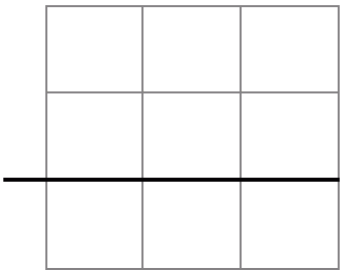
Then I add the _____, and I get 50 + _____ = _____ .

Lastly in the ones, there is just 0 and 1, which is 1.

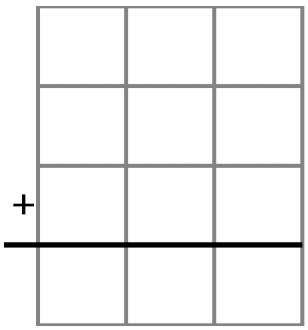
Okay, so I have these parts: 900, 80, and ____, so that makes _____.

6. Solve the word problems.

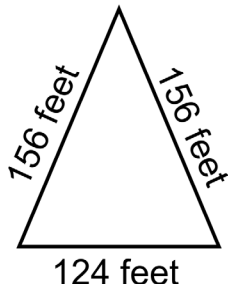
a. From Flowertown to Princetown is 148 miles.
You travel from Flowertown to Princetown
and back to Flowertown. How many miles is that?

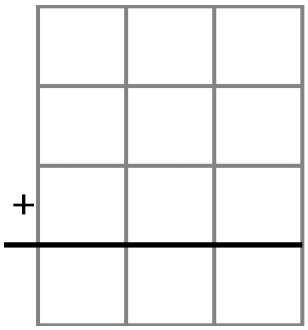


b. The school bought pencils for $128,
pens for $219, and notebooks for $549.
Find the total cost of the items.



c. Find how many feet it is if you walk all of the way
around this triangle.





Puzzle Corner

What numbers are missing from the addition problems?

□ 3 □	2 □ □	1 6 9	□ 8 8
+ 1 □ 9	+ □ 3 6	+ □ 5 □	+ 7 □ □
3 9 1	5 1 7	7 □ 4	9 0 0