Subtraction Across Zeros

You can use place-value charts to subtract across zeros.

Estimate. Then find the difference:

	5,004	5,	
-	1,286	1,	

Estimate : 5,004 \rightarrow 5,000 <u>-1,286</u> \rightarrow <u>-1,300</u> 3,700

STEP I In the ones column, 6 > 4. Begin regrouping with the thousands.

	Thousands	Hundreds	Tens	Ones
	4	10		
	5 ,	Ø	0	4
-	l,	2	8	6

STEP 2 Regroup the hundreds

Thousands	Hundreds	Tens	Ones
4	9 1Ø	Ю	
Z ,	Ø	Ø	4
Ι,	2	8	6

STEP 3 Regroup the tens

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	Thousands	Hundreds	Tens	Ones
	4	9 1Ø	9 1Ø	14
	Я,	Ø	ø	4
-	Ι,	2	8	6

STEP 4 Subtract

Thousands	Hundreds	Tens	Ones
4	9 1Ø	۹ ۱Ø	Н
5 ,	Ø	Ø	4
l,	2	8	6
З,	7	1	8

Since the estimated difference, 3,700, is close to the actual answer, 3,718, the answer is reasonable.

Find the difference. **1790 – 1218 =** _____

	1,	7	8 9	10 Ø
-	1,	2	1	8
		5	7	2

You need to regroup to subtract the ones

<u>Examples:</u>

A- Estimate. Then find each difference.			
I)		2)	
506 <u>- 457</u> 49	500 <u>-500</u> 000	3,070 <u>- 1,832</u> 1,238	3,000 <u>- 2,000</u> I,000
3)		4)	
5,004 <u>- 1,286</u> 3,718	5,000 <u>- 1,000</u> 4,000	8,000 <u>- 2,480</u> 5,520	8,000 <u>- 2,000</u> 6,000

B-Find the difference. Tell which method you used.

5)	6)
748	8,I65
<u>- 205</u>	<u>- 4,823</u>
543	3,342
7)	8)
9,120	1,790
<u>- 3,576</u>	<u>- 1,218</u>
5,544	572

C- Problem Solving

9) Kim had 435 cards. He gave away 118 cards. How many cards does he have left?

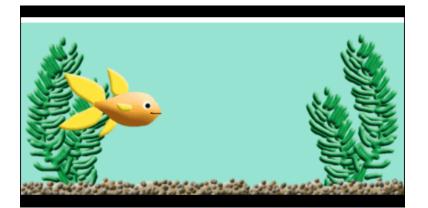
<u>435 - 118 =317 cards</u>

10) Greta needs 700 tickets for a poster. She has 325 tickets. How many more tickets does Greta need?

<u>700-325 =375 more tickets</u>

My Real Life

There are 359 fish in a large fish tank at a zoo. 200 died. How many are left?



<u>359 - 200 = 159 fish</u>

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