



## Lesson 3

LI - To recap column subtraction method.

Feb 19-13:05

Lets recap how to solve subtraction calculations using column method

1) write your calculation

$$\begin{array}{r} 426 \\ - 215 \\ \hline \\ \hline \end{array}$$

2) label your columns if you need to

$$\begin{array}{r} \text{HTO} \\ 426 \\ - 215 \\ \hline \\ \hline \end{array}$$

Sep 25-17:33

3) Subtract the ones, tens and then hundreds

$$\begin{array}{r} \text{HTO} \\ 426 \\ - \quad 215 \\ \hline 211 \\ \hline \end{array}$$

...but sometimes we may need to exchange.

Sep 25-17:33

exchanging in the ones column

1) Write the calculation

$$\begin{array}{r} 572 \\ - \quad 358 \\ \hline \\ \hline \end{array}$$

2) label your columns if you need to

$$\begin{array}{r} \text{HTO} \\ 572 \\ - \quad 358 \\ \hline \\ \hline \end{array}$$

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## Week 1 Lesson 3 Recapping Column Subtraction Calculations

3) Now because the digits in the ones are hard to subtract without minus numbers we need to exchange like so:

$$\begin{array}{r} \text{HTO} \\ 5\cancel{7}12 \\ - \\ 358 \\ \hline \phantom{00}4 \end{array}$$

You can't do  $2-8$  so we need to exchange - take a 10 from the tens column and put it with the 2 to make 12. So now  $12-8=4$

Cross out the 7 and put a 6 in its place, so now its 60 not 70.

Then you complete the tens column as normal so  $6-5=1$  ( $60-50=10$ )

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4) Then complete the hundreds column

$$\begin{array}{r} \text{HTO} \\ 5\cancel{6}12 \\ - \\ 358 \\ \hline 214 \end{array}$$

Nov 28-19:43

exchanging in the ones column

1) Write the calculation

$$\begin{array}{r} \phantom{0}634 \\ - \phantom{0}451 \\ \hline \\ \hline \end{array}$$

2) label your columns if you need to

$$\begin{array}{r} \text{HTO} \\ \phantom{0}634 \\ - \phantom{0}451 \\ \hline \\ \hline \end{array}$$

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3) complete the ones column

$$\begin{array}{r} \text{HTO} \\ \phantom{0}634 \\ - \phantom{0}451 \\ \hline \phantom{0}3 \\ \hline \end{array} \quad \begin{array}{l} \leftarrow 4-1=3 \end{array}$$

Sep 25-17:33

## Week 1 Lesson 3 Recapping Column Subtraction Calculations

4) Now because the digits in the tens are hard to subtract without minus numbers we need to exchange like so:

$$\begin{array}{r} \text{H T O} \\ \underline{5\cancel{6}34} \\ 451 \\ \underline{\quad} \\ \underline{83} \end{array}$$

You can't do  $3-5$  so we need to exchange - take a 100 from the hundreds column and put it with the 3 to make 13. So now

$$130-50=80$$

Cross out the 6 and put a 5 in its place, so now its 500 not 600.

Then you complete the tens column as normal so  $13-5=8$  ( $130-50=80$ )

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4) Then complete the hundreds column

$$\begin{array}{r} \text{H T O} \\ \underline{5\cancel{6}34} \\ 451 \\ \underline{\quad} \\ \underline{183} \end{array}$$

Nov 28-19:43

## Week 1 Lesson 3 Recapping Column Subtraction Calculations

The following questions are practice questions to recap subtraction. You can check your answers with a calculator and don't worry if they are wrong - work out where the mistake was and remember for next time.

- 1) subtract the ones
- 2) subtract the tens

	3	3	
-	1	1	

- 1) subtract the ones
- 2) subtract the tens
- 3) subtract the hundreds

	6	7	6
-	1	2	1

Dec 5-21:57

Now lets practice questions that require exchanging. You can look back at your guide at any time to help.

- 1) subtract the ones
  - 2) subtract the tens
- Do any of the columns require exchanging

	4	4	
-	2	7	

- 1) subtract the ones
  - 2) subtract the tens
  - 3) subtract the hundreds
- Do any of the columns require exchanging

	7	8	4
-	2	3	5

Jan 4-15:55

## Week 1 Lesson 3 Recapping Column Subtraction Calculations

- 1) subtract the ones
  - 2) subtract the tens
  - 3) subtract the hundreds
- Do any of the columns require exchanging

$$\begin{array}{r} 529 \\ + 381 \\ \hline \\ \hline \end{array}$$

- 1) subtract the ones
  - 2) subtract the tens
  - 3) subtract the hundreds
- Do any of the columns require exchanging

$$\begin{array}{r} 971 \\ + 491 \\ \hline \\ \hline \end{array}$$

Jan 5-16:00

What is the answer to this calculation?

$$\begin{array}{r} 845 \\ + 193 \\ \hline \\ \hline \end{array}$$

- a) 652
- b) 662
- c) 578
- d) 628

Jan 5-16:09

## Week 1 Lesson 3 Recapping Column Subtraction Calculations

Depending on how you found those practice questions, pick either the bronze, silver or gold challenge to complete.

If you want to do a mix of some questions that is okay!

If you complete the gold you can then challenge yourself to the platinum questions!

### Bronze

a.				b.				c.				d.				e.			
	3	3			2	5			1	6			2	7			2	9	
-	1	1		-	1	3		-	1	0		-	1	6		-	1	2	
f.				g.				h.				i.				j.			
	2	6			3	2			2	9			4	2			2	7	
-	1	3		-	2	0		-	1	4		-	1	2		-	2	3	

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### Silver

	2	3			2	6			2	2			3	8			2	1	
-	1	7		-	1	9		-	1	6		-	2	9		-	1	3	
f.				g.				h.				i.				j.			
	3	3			4	4			4	7			3	8			4	1	
-	1	5		-	2	7		-	1	8		-	1	9		-	2	6	

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# Week 1 Lesson 3 Recapping Column Subtraction Calculations

## Gold

1.					2.					3.					4.				
	3	7	4			8	7	6			4	9	7			6	4	9	
-	1	2	3		-	4	1	6		-	2	5	4		-	3	2	7	
5.					6.					7.					8.				
	7	0	8			4	3	5			1	8	6			2	4	0	
-	3	6	5		-	1	2	7		-		9	1		-	1	0	5	

## Platinum

<b>Challenge</b> - Find the missing numbers in the subtraction calculations below:																			
10.					11.					12.									
	6		9			3	5			8	1	7							
-		9	8		-	2	7			-	6								
	2	6				1	6	0				8	9						

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