



## Week 2 maths will have the same format as last week! Remember!

1. Write the date and L.O. then choose the best work for you!
2. Check your answers and correct with your purple pen. Fix any mistakes. Evaluate or self assess your work.
3. Try the challenge!! Be confident, give it a go!! It helps you to  
...experiment with applying what you know!
4. Please upload your work to the website!





**L.O. Subtraction without exchange . 30.03.20**

Today's work is column subtraction without exchange.

A grown-up would probably say it's column subtraction

without "borrowing". (Old School!  )

Remember to set your work out neatly which might be a

challenge in a book without boxes!

Use : 

H	T	O
3	4	2

 to keep everything in its place!

1. Rule off last week's work. Write your date and L.O.

2. Read the questions and decide which is the best to challenge you.

3. Set your work out in the column subtraction format.

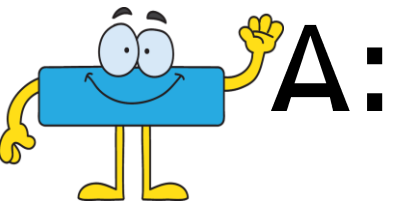
4. Remember to give the challenge a go too!

$$1. \quad 57 - 34 = 23$$

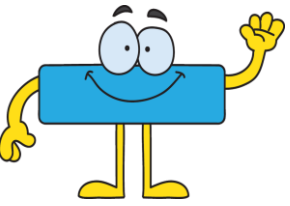
T	O
5	7
- 3	4
<hr/>	
2	3

$$2. \quad 342 - 121 = 221$$

H	T	O
3	4	2
- 1	2	1
<hr/>		
2	2	1



**A:**

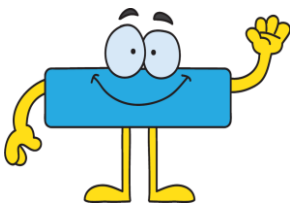


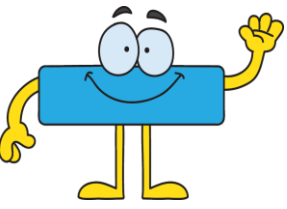
$$46 - 15 = \square \quad 56 - 13 = \square$$

$$61 - 21 = \square \quad 76 - 44 = \square$$

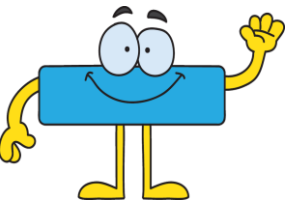
$$89 - 37 = \square \quad 99 - 56 = \square$$

$$222 - 111 = \square \quad 256 - 134 = \square$$





**B:**



$$243 - 121 = \square$$

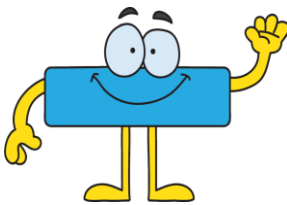
$$366 - 213 = \square$$

$$462 - 252 = \square$$

$$573 - 323 = \square$$

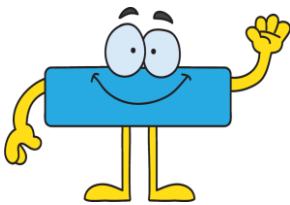
$$582 - 361 = \square$$

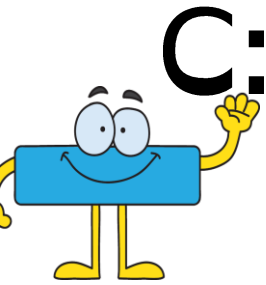
$$689 - 577 = \square$$



$$875 - 724 = \square$$

$$986 - 913 = \square$$





$$643 - 523 =$$

$$764 - 551 =$$

$$767 - 762 =$$

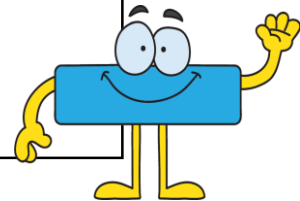
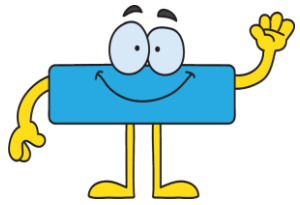
$$896 - 453 =$$

$$2582 - 1360 =$$

$$3932 - 2811 =$$

$$5875 - 4661 =$$

$$9286 - 8134 =$$



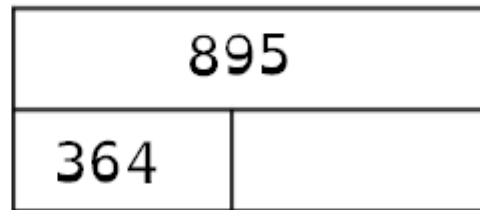
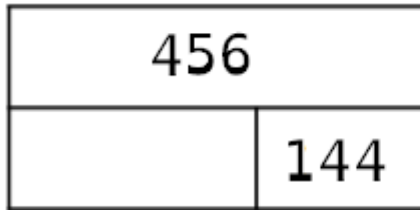


YOU  
CAN  
DO IT

# challenge

YOU  
CAN  
DO IT

1. Complete the bar models.



3. Complete the missing digits.



2. Tommy makes this number.



He subtracts 251.

What is Tommy's new number?

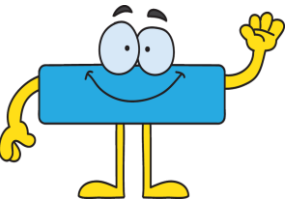
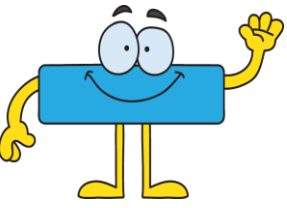
4. Write 3 different subtractions where the answer is 2431.

e.g.

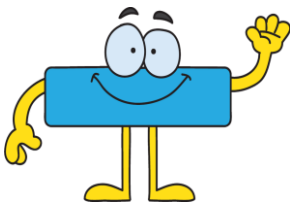
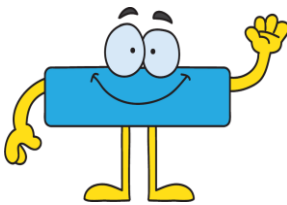
$$\begin{array}{r} 3665 \\ - 1234 \\ \hline 2431 \end{array}$$

YOU  
CAN  
DO IT

YOU  
CAN  
DO IT

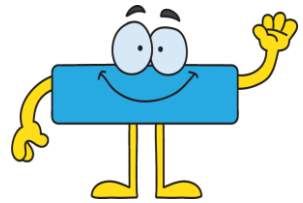


**Answers below!**





# A: Answers



$46 - 15 =$

31

$56 - 13 =$

23

$61 - 21 =$

40

$76 - 44 =$

32

$89 - 37 =$

52

$99 - 56 =$

43

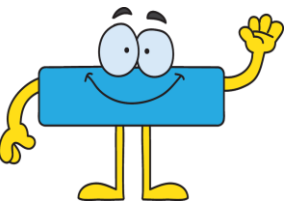
$222 - 111 =$

111

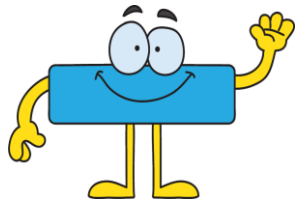
$256 - 134 =$

122





# B: Answers

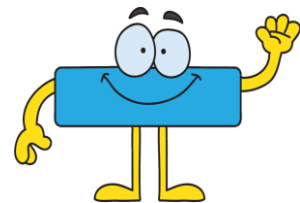
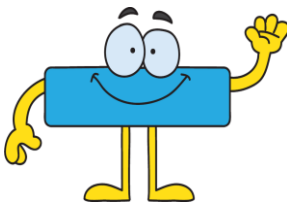


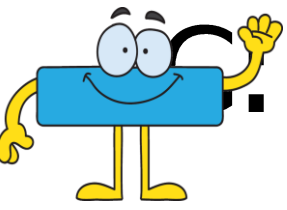
$$243 - 121 = 122 \quad 366 - 213 = 153$$

$$462 - 252 = 210 \quad 573 - 323 = 250$$

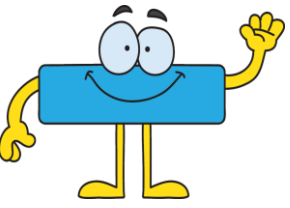
$$582 - 361 = 221 \quad 689 - 577 = 112$$

$$875 - 724 = 151 \quad 986 - 913 = 73$$





# Answers



$$643 - 523 =$$

120

$$764 - 551 =$$

213

$$767 - 762 =$$

5

$$896 - 453 =$$

443

$$2582 - 1360 =$$

1222

$$3932 - 2811 =$$

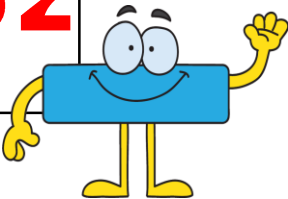
1121

$$5875 - 4661 =$$

1214

$$9286 - 8134 =$$

1152



YOU CAN DO IT

# challenge



YOU CAN DO IT

1. Complete the bar models.

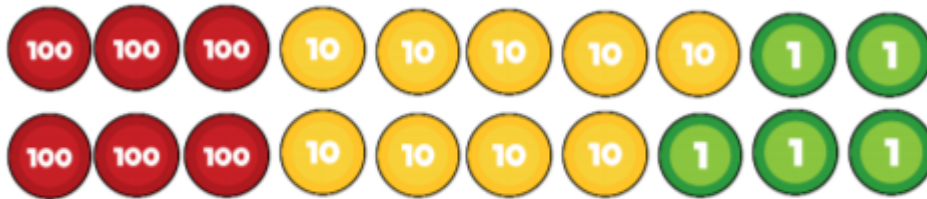
456	
312	144

895	
364	531

3. Complete the missing digits.

	7	7	5
-	5	6	3
	2	1	2

2. Tommy makes this number.



He subtracts 251.

What is Tommy's new number?

$$695 - 251 = 444$$

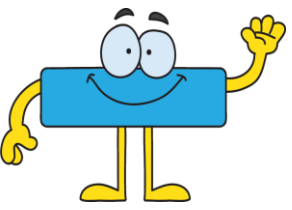
4. Write 3 different subtractions where the answer is 2431.

e.g.

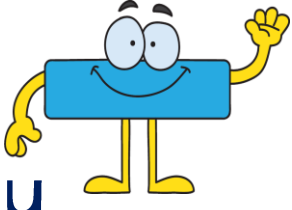
$$\begin{array}{r} 3665 \\ - 1234 \\ \hline 2431 \end{array}$$

YOU CAN DO IT

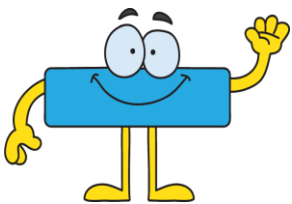
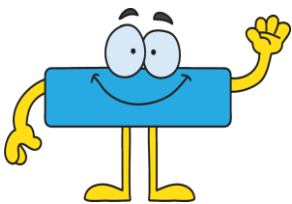
YOU CAN DO IT



Don't forget to self assess neatly at the end! You  
can add a comment if you like.



Now, take a photo of your work and upload it to the  
homework page on our class page!





**TUESDAY**

**L.O. Column subtraction – with exchange. 31.03.20**



Today's work is column subtraction with exchange.

A grown-up would probably say it's column subtraction with

“borrowing”. (Old School! )

Remember to set your work out neatly which might be a

challenge in a book without boxes!

Use : 

H	T	O
3	4	2

 to keep everything in its place!

1. Rule off yesterday's work. Write your date and L.O.

2. Read the questions and decide which is the best to challenge you.

3. Set your work out in the column subtraction format.

4. Remember to give the challenge a go too!

$$1. \quad 62 - 36 = 26$$

$$\begin{array}{r} \text{T} \quad \text{O} \\ 5 \cancel{6} \quad 12 \\ - 3 \quad 6 \\ \hline 2 \quad 6 \end{array}$$

$$2. \quad 365 - 137 = 228$$

$$\begin{array}{r} \text{H} \quad \text{T} \quad \text{O} \\ 3 \quad 5 \cancel{6} \quad 15 \\ - 1 \quad 3 \quad 7 \\ \hline 2 \quad 2 \quad 8 \end{array}$$

**A:**

$42 - 26 = \square$

$48 - 19 = \square$

$53 - 25 = \square$

$61 - 48 = \square$

$74 - 38 = \square$

$78 - 59 = \square$

$86 - 79 = \square$

$93 - 67 = \square$

**B:**

$51 - 22 = \square$

$62 - 35 = \square$

$75 - 26 = \square$

$83 - 37 = \square$

$94 - 89 = \square$

$123 - 84 = \square$

$143 - 127 = \square$

$256 - 139 = \square$

**C:**

$67 - 29 = \square \quad 71 - 26 = \square$

$93 - 47 = \square \quad 134 - 128 = \square$

$155 - 108 = \square \quad 236 - 178 = \square$

$331 - 269 = \square \quad 452 - 284 = \square$

# ChALLENGE

1. Complete the bar models.

525	
368	

812	
	543

2. Tommy makes this number.



He subtracts 174.

What is Tommy's new number?

3. Work out the missing digits.

	H	T	O
	5	?	3
-	2	1	8
	3	1	5

4. Complete the missing digits.

	6	2	
-	4		9
	1	8	2

YOU  
CAN  
DO IT

YOU  
CAN  
DO IT

YOU  
CAN  
DO IT

YOU  
CAN  
DO IT

**Answers below!**



# A: Answers



$$42 - 26 = 16$$

$$48 - 19 = 29$$

$$53 - 25 = 28$$

$$61 - 48 = 13$$

$$74 - 38 = 26$$

$$78 - 59 = 19$$

$$86 - 79 = 7$$

$$93 - 67 = 28$$



**B:**

$$51 - 22 = \boxed{29} \quad 62 - 35 = \boxed{27}$$

$$75 - 26 = \boxed{49} \quad 83 - 37 = \boxed{46}$$

$$94 - 89 = \boxed{5} \quad 123 - 84 = \boxed{39}$$

$$143 - 127 = \boxed{16} \quad 256 - 139 = \boxed{117}$$

C:

$$67 - 29 = \boxed{38} \quad 71 - 26 = \boxed{45}$$

$$93 - 47 = \boxed{46} \quad 134 - 128 = \boxed{6}$$

$$155 - 108 = \boxed{47} \quad 236 - 178 = \boxed{58}$$

$$331 - 269 = \boxed{62} \quad 452 - 284 = \boxed{168}$$

# ChALLENGE

1. Complete the bar models.

525	
368	157

812	
269	543

2. Tommy makes this number.



He subtracts 174.

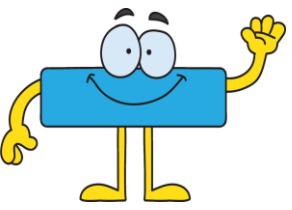
What is Tommy's new number? **389**

3. Work out the missing digits.

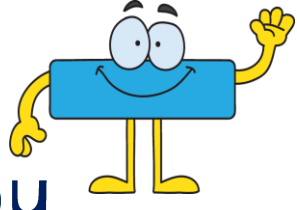
	H	T	O
	5	3	3
-	2	1	8
	3	1	5

4. Complete the missing digits.

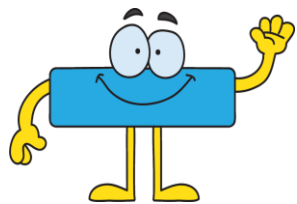
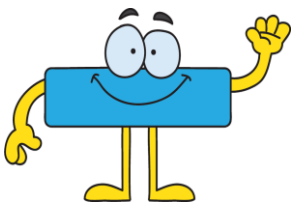
	6	2	1
-	4	3	9
	1	8	2



Don't forget to self assess neatly at the end! You  
can add a comment if you like.



Now, take a photo of your work and upload it to the  
homework page on our class page!



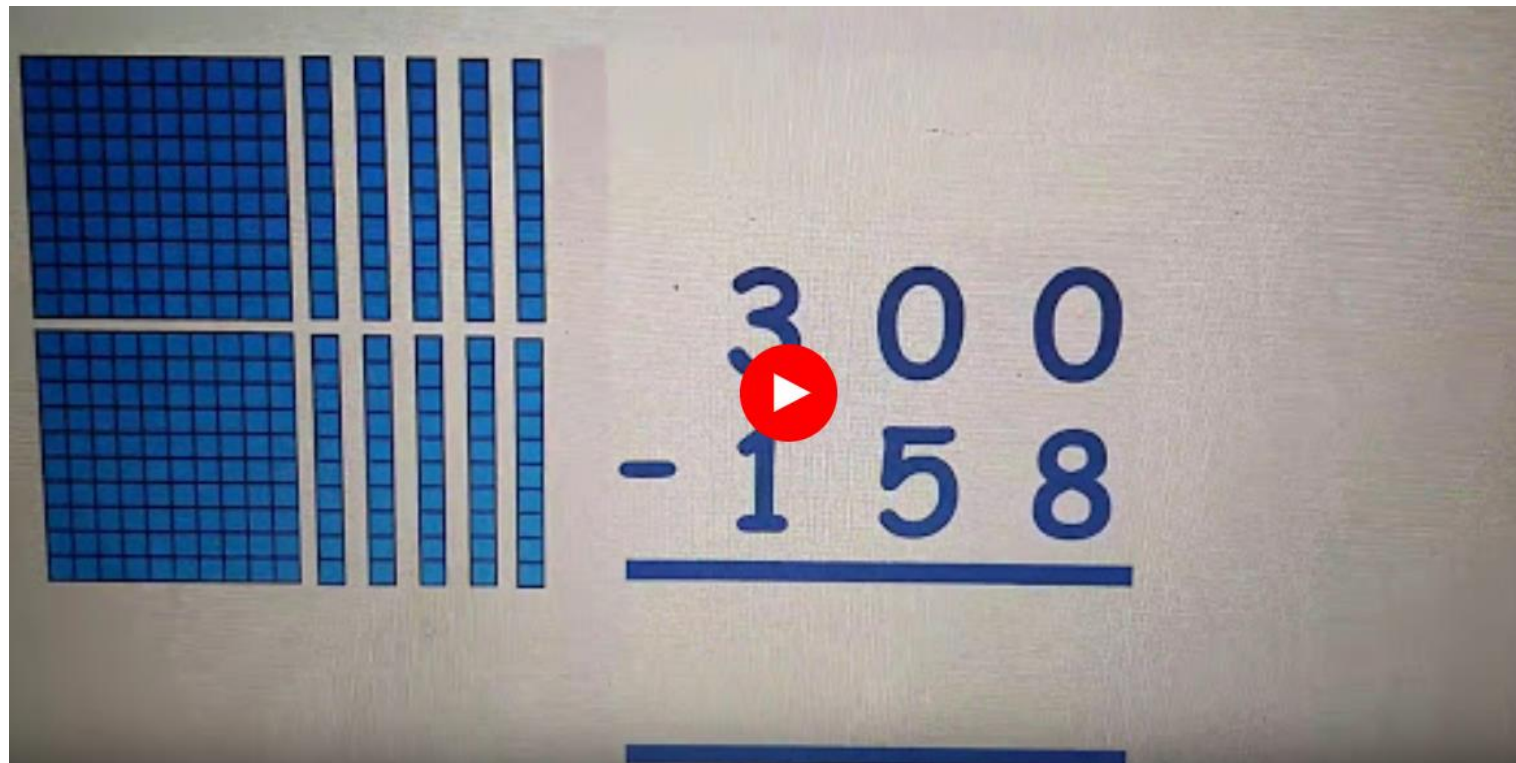


L.O. Column addition with exchange.

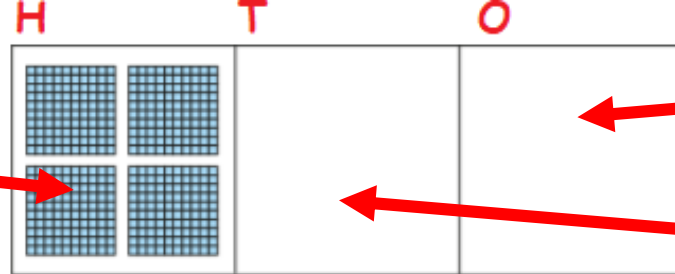
01.04.20

Today's work is column subtraction from numbers with zeros.

This can be a bit confusing so watch the video below for a little recap on what to do!



You must begin the exchange from the 100s column!



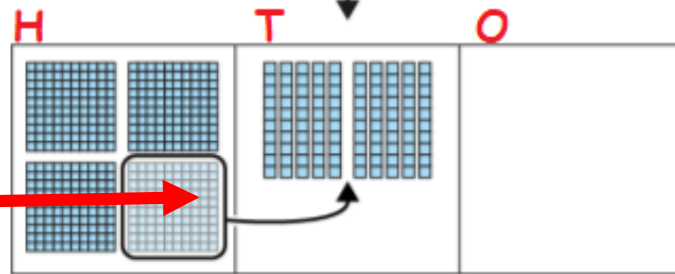
100s	10s	1s
4	0	0
-	2	5
<hr/>		

You cannot subtract 7 from 0!

You cannot exchange from the 10's column!

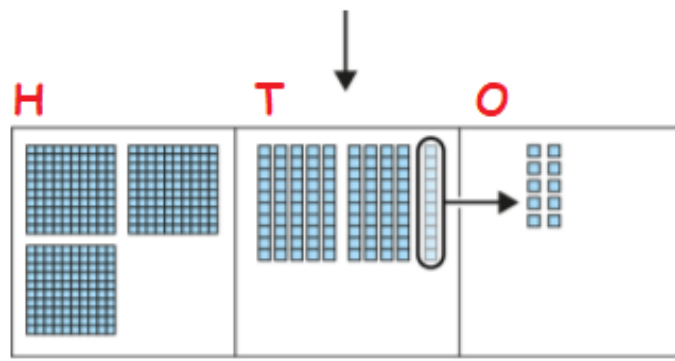
2 Step Exchange:

1. Exchange one 100 for ten 10s.



100s	10s	1s
<del>4</del> <sup>3</sup>	10	0
-	2	5
<hr/>		

2. Exchange one 10 for ten 1s.



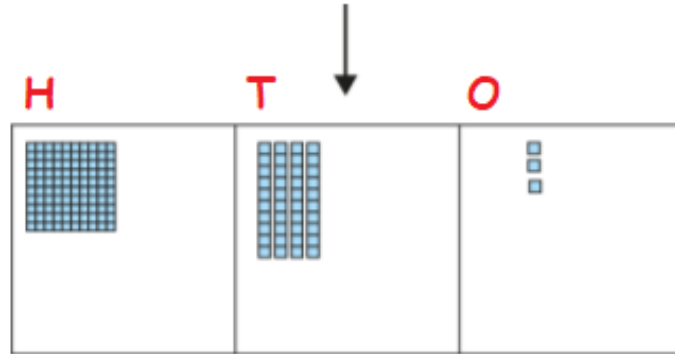
100s	10s	1s
<del>4</del> <sup>3</sup>	<del>10</del> <sup>9</sup>	10
-	2	5
<hr/>		

Begin Subtraction:

Ten 1s - seven 1s = three 1s

nine 10s - five 10s = four 10s

Three 100s - two 100s = one 100



100s	10s	1s
<del>4</del> <sup>3</sup>	<del>10</del> <sup>9</sup>	10
-	2	5
<hr/>		
1	4	3

Remember to set your work out neatly. You'll need a little more space between calculations as you'll be exchanging quite a lot!

$$1. \quad 60 - 36 = 24$$

T O

<sup>5</sup> ~~6~~ <sup>1</sup> 0

- 3 6

2 4

$$2. \quad 300 - 137 = 163$$

H T O

<sup>2</sup> ~~3~~ <sup>9</sup> ~~0~~ <sup>1</sup> 0

- 1 3 7

1 6 3



**A:**

$40 - 15 = \square \quad 50 - 28 = \square$

$60 - 39 = \square \quad 70 - 41 = \square$

$80 - 56 = \square \quad 100 - 72 = \square$

$100 - 84 = \square \quad 200 - 63 = \square$

**B:**

$60 - 29 = \square \quad 70 - 33 = \square$

$90 - 41 = \square \quad 100 - 56 = \square$

$200 - 112 = \square \quad 300 - 188 = \square$

$400 - 254 = \square \quad 500 - 357 = \square$

**C:**

$80 - 47 = \square$

$100 - 59 = \square$

$300 - 123 = \square$

$600 - 387 = \square$

$900 - 584 = \square$

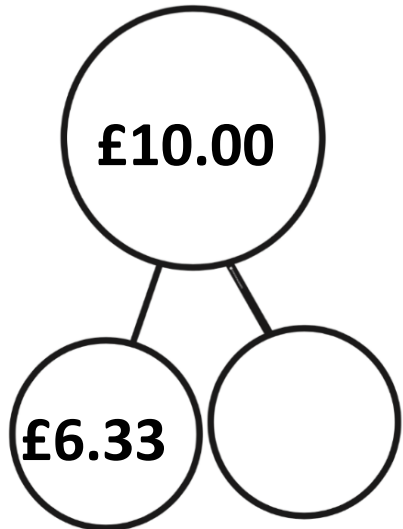
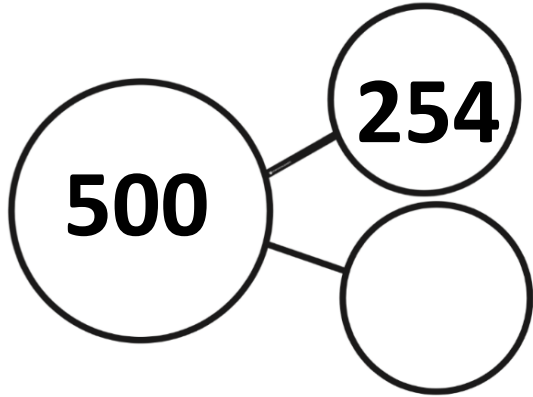
$1000 - 518 = \square$

$1050 - 361 = \square$

$2010 - 572 = \square$

# Challenge

1. Use column addition to solve:



2. Explain.

Sam has completed these calculations, but he is incorrect. Explain the errors he has made.

Hundreds place	Tens place	Ones place

$$\begin{array}{r} 325 \\ + 247 \\ \hline 581 \end{array}$$

$$\begin{array}{r} 325 \\ - 247 \\ \hline 122 \end{array}$$

3. What do you notice?

$$\begin{array}{r} 200 \\ - 91 \\ \hline \end{array}$$

$$\begin{array}{r} 2210 \\ - 91 \\ \hline \end{array}$$

$$\begin{array}{r} 2010 \\ - 991 \\ \hline \end{array}$$

$$\begin{array}{r} 2220 \\ - 991 \\ \hline \end{array}$$

Answers below!



A:

$$40 - 15 = \boxed{25} \quad 50 - 28 = \boxed{22}$$

$$60 - 39 = \boxed{21} \quad 70 - 41 = \boxed{29}$$

$$80 - 56 = \boxed{24} \quad 100 - 72 = \boxed{28}$$

$$100 - 84 = \boxed{16} \quad 200 - 63 = \boxed{137}$$

**B:**

$$60 - 29 = \boxed{31} \quad 70 - 33 = \boxed{37}$$

$$90 - 41 = \boxed{49} \quad 100 - 56 = \boxed{44}$$

$$200 - 112 = \boxed{88} \quad 300 - 188 = \boxed{112}$$

$$400 - 254 = \boxed{146} \quad 500 - 357 = \boxed{137}$$

C:

$$80 - 47 = \boxed{33}$$

$$100 - 59 = \boxed{41}$$

$$300 - 123 = \boxed{177}$$

$$600 - 387 = \boxed{213}$$

$$900 - 584 = \boxed{316}$$

$$1000 - 518 = \boxed{482}$$

$$1050 - 361 = \boxed{689}$$

$$2010 - 572 = \boxed{1438}$$



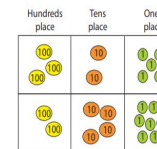
# Challenge

1. Use column addition to solve:

2. Explain.

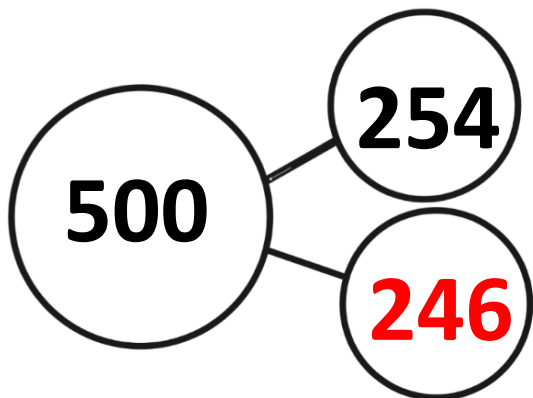
Sam has completed these calculations, but he is incorrect.

Explain the errors he has made.



$$\begin{array}{r} 325 \\ + 247 \\ \hline 581 \end{array}$$

$$\begin{array}{r} 325 \\ - 247 \\ \hline 122 \end{array}$$



*Sam is incorrect in both his addition and subtraction calculation.*

*In the addition calculation, in the ones column, he said  $5+7 = 11$  when it is actually 12. In the tens column he would have brought one ten in but when he added  $2+4+1$  he got 8 instead of 7. The answer to  $325+247$  should have been 572.*



*In the subtraction, in the ones column he subtracted 5 from 7 and got 2 instead of exchanging from the tens column to make  $15-7 = 8$ . He made the same mistake in the tens column. The answer should be 78.*

### 3. What do you notice?

$$\begin{array}{r} 200 \\ - 91 \\ \hline 109 \end{array}$$
$$\begin{array}{r} 220 \\ - 91 \\ \hline 219 \end{array}$$
$$\begin{array}{r} 200 \\ - 99 \\ \hline 1019 \end{array}$$
$$\begin{array}{r} 220 \\ - 99 \\ \hline 129 \end{array}$$

## Challenge

I noticed that when the number you take away, (the subtrahend), has a 1 in the ones column and the number you start with, (the minuend), ends in a 0 the answer (the difference), always ends in a 9.

I also noticed that if the tens digit of the subtrahend is 9 and you need to exchange to subtract in the ones column, the tens digit of the difference is the same as the tens digit of the minuend.

Did you notice anything else?

Don't forget to self assess neatly at the end! You can  
add a comment if you like.



Final step: Take a photo of your work and upload it to  
the homework page on our class page!



**L.O. Subtraction Word Problems. 02.04.20**

# Word Problems.

Time to put all those subtraction powers into action now!

If you were in class I'd tell you to use RUCSAC, lay your work out neatly and to remember to answer in full sentences... so...

USE RUCSAC, LAY YOUR WORK OUT NEATLY AND  
ANSWER IN FULL SENTENCES!!!



# Remember 'RUCSAC' when solving word problems!



## Read

Read the question carefully. What is the important information?



## Understand

Understand the question. What do you have to find out?



## Choose

Choose the right operation(s) and method of calculation.



## Solve

Solve the problem! Make sure you follow all the steps.



## Answer

Have you answered the question? What were you meant to find out?



## Check

Check your answer. If possible, use the inverse to check your working out.

**Read, Understand, Choose, Solve, Answer, Check**

1. In the library, there are 142 books. At lunch time, the children borrow 35 books. How many books are left in the library after lunch?

L.O. Subtraction Problems. 02.04.20

$$\begin{array}{r} 1. \quad \text{H} \quad \text{T} \quad \text{O} \\ \quad 1 \quad 3 \quad 4 \quad 1 \quad 2 \\ - \quad \quad 3 \quad 5 \\ \hline \quad 1 \quad 0 \quad 7 \end{array}$$

There are 107 books left in the library after lunch.

## A. Subtraction word Problems - Full sentence answers!

1. There are 80 grapes in a bunch. Freddie eats 54 grapes. How many grapes are left?

2. There are 90 pages in a book. Sam read 61. How many pages are left to read?

3. Ed has 100 pieces of Lego. His sister hides 36 of them. How many pieces of left?



**4.** Henry has 254 blocks. Alex has 167 blocks. How many more blocks does Henry have?

**5.** Adam has 384 steps on his fitbit but his target is 500. How many more steps does he need to take?

## B. Addition word Problems.- Full sentence answers!

**1.** There are 300 leaves on a tree. 126 fall off. How many are left on the tree?

**2.** Emma's book has 356 pages. She reads 248 pages. How many does she have left to read?

**3.** David has saved up £87 but needs £200 to buy a Lego robot. How much more money does he need to save up?

**4.** The River Severn is 354km long and the River Tay 188km long. How many km longer is the River Severn?

**5.** Roger spends £12.43 in a toy shop. He pays with a £20 note. How much change does he get?

## C. Addition word Problems. - Full sentence answers!

1. The Amazon river is 6,400 km long. The river Thames is 346km long. How many km longer is the Amazon?
2. Mt Everest is 8848km high. Ben Nevis is 1345km high. How much higher is Mt Everest?
3. Ms Rich's lunch cost £73.94. She paid for it with a £100 note! How much change does she get?

**4.** Abi has 3 packs of 22 pencils and Jay has 10 packs of 24 pencils. How many more pencils does Jay have?

**5.** Jack and his sister are trying to save £500 between them. Jack has saved £113 and his sister has saved £189? How much more do they need to save?

Answers below!



## A. Subtraction word Problems – Full sentence answers!

1. There are 80 grapes in a bunch. Freddie eats 54 grapes. How many grapes are left? **26**

2. There are 90 pages in a book. Sam read 61. How many pages are left to read? **29**

3. Ed has 100 pieces of Lego. His sister hides 36 of them. How many pieces are left? **64**

4. Henry has 254 blocks. Alex has 167 blocks. How many more blocks does Henry have? **87**

5. Adam has 384 steps on his fitbit but his target is 500. How many more steps does he need to take?

**116**



## B. Addition word Problems.- Full sentence answers!

1. There are 300 leaves on a tree. 126 fall off. How many are left on the tree? **174**

2. Emma's book has 356 pages. She reads 248 pages. How many does she have left to read? **108**

3. David has saved up £87 but needs £200 to buy a Lego robot. How much more money does he need to save up?  
**£113**

**4.** The River Severn is 354km long and the River Tay 188km long. How many km longer is the River Severn?

**176km**

**5.** Roger spends £12.43 in a toy shop. He pays with a £20 note. How much change does he get?

**£7.57**

## C. Addition word Problems. - Full sentence answers!

1. The Amazon river is 6,400 km long. The river Thames is 346km long. How many km longer is the Amazon?

**6054km**

2. Mt Everest is 8848km high. Ben Nevis is 1345km high. How much higher is Mt Everest?

**7503km**

3. Ms Rich's lunch cost £73.94. She paid for it with a £100 note! How much change does she get?

**£26.06**

4. Abi has 3 packs of 22 pencils and Jay has 10 packs of 24 pencils. How many more pencils does Jay have?

174

5. Jack and his sister are trying to save £500 between them. Jack has saved £113 and his sister has saved £189? How much more do they need to save?

£198

Don't forget to self assess neatly at the end! You can  
add a comment if you like.



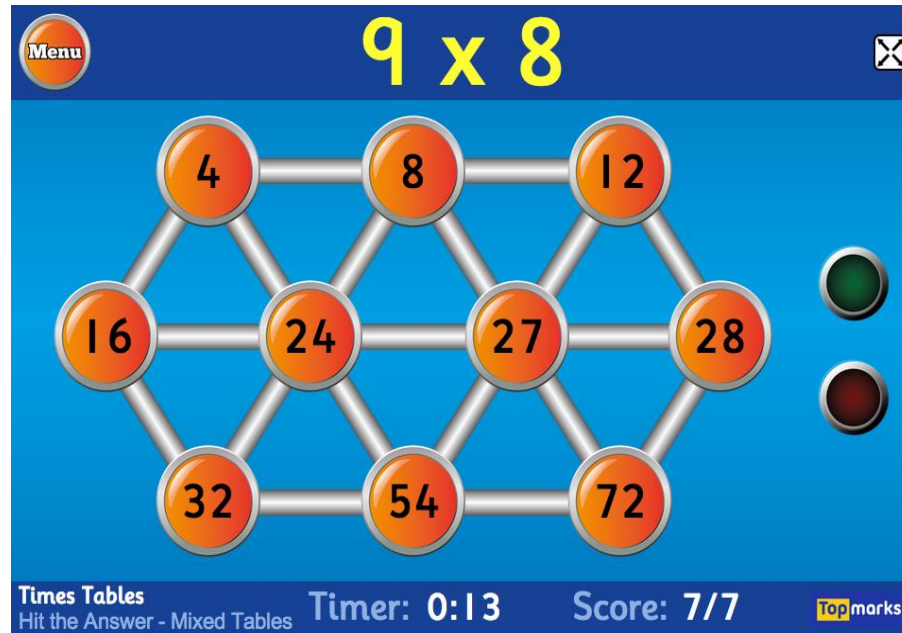
If you wish to, you can take a photo of your work and  
upload it to the homework page on our class page!



L.O. Fluency Friday! 03.04.20



The Year 3 requirements are to recall the **2,3,4,5,8 and 10** times tables with speed and accuracy.



Aim to practice for at least 20 minutes!



Don't forget to self assess neatly at the end! You can add a comment if you like. E.g I am so much quicker with my 2,5, and 10s but am still getting stuck on my 3's and 4's or I am fast and accurate with the multiplication but still need a lot of practice with my division facts!





HAVE A  
GREAT  
WEEKEND

