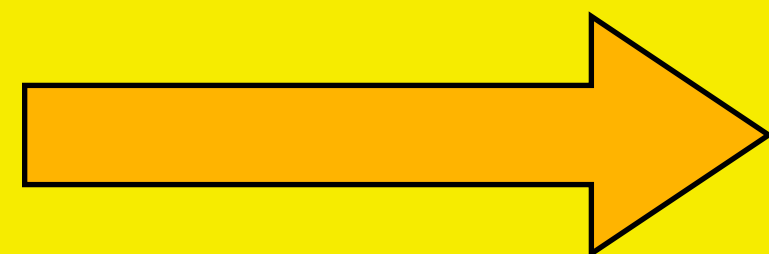
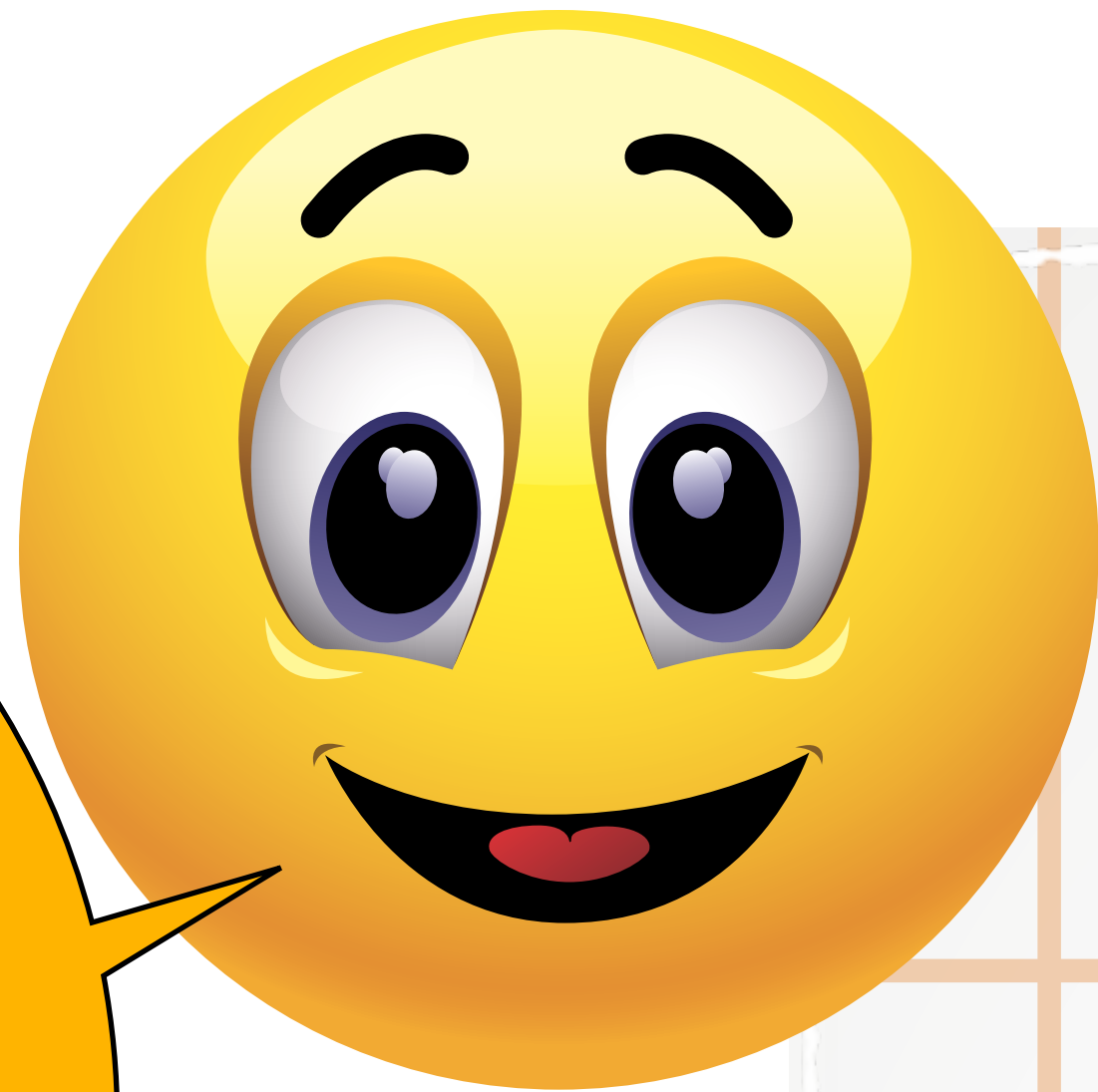


Choosing Methods

Learning Objective:

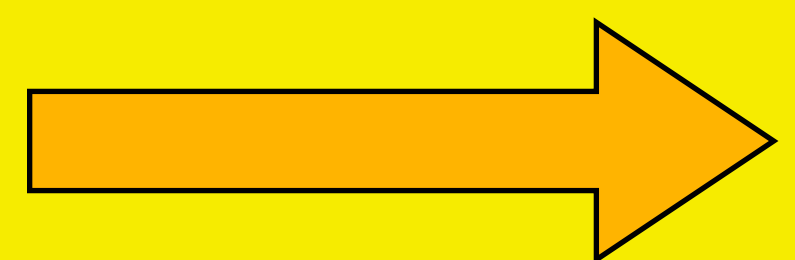
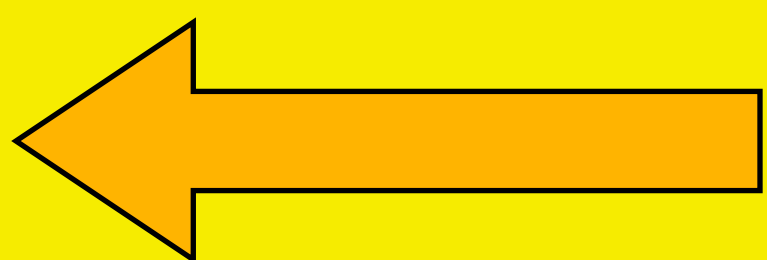
To practise column methods for addition and subtraction.





Can you solve this problem using the column method? Have a go!

		3	2	7	8
	+	7	2	6	5
<hr/>					
<hr/>					

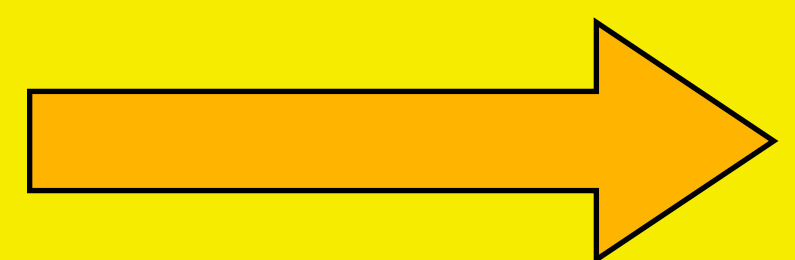
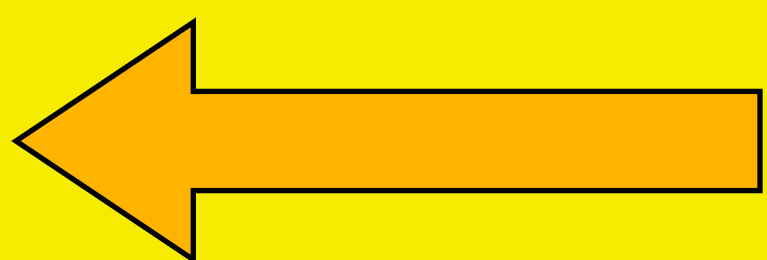


		3	2	7	8
	+	7	2	6	5
<hr/>					
				1	3
			1	3	0
			4	0	0
	1	0	0	0	0
<hr/>					
	1	0	,5	4	3
expanded column method					

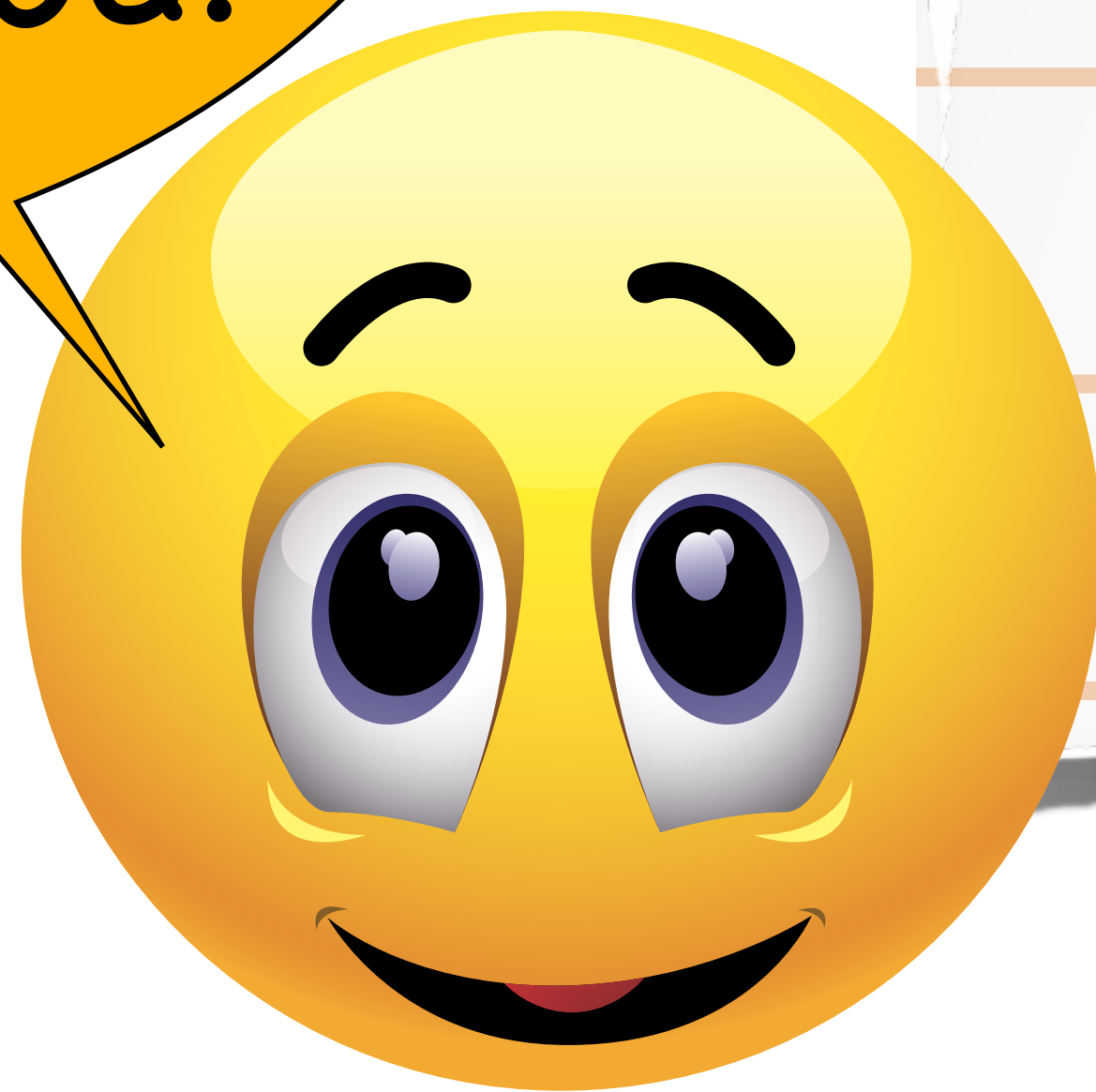
		3	2	7	8	
	+	7	2	6	5	
<hr/>						
		1	0	,5	4	3
<hr/>						
				1	1	
vertical column method						



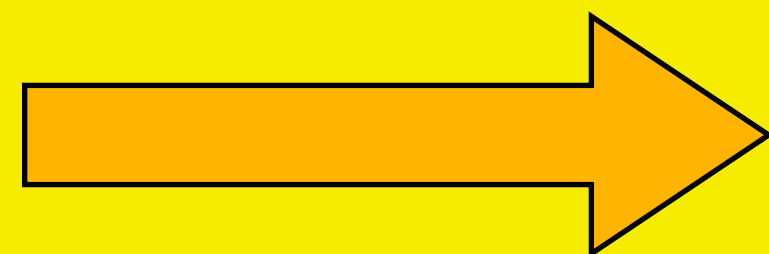
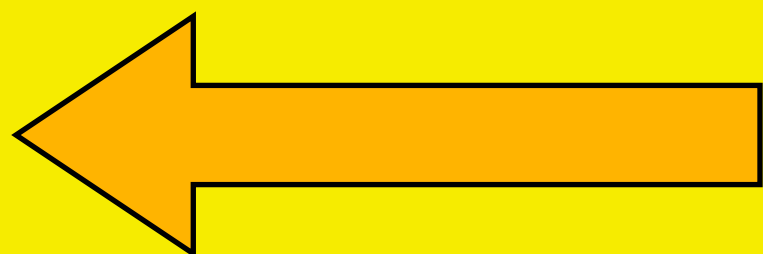
Let's do it together and see if your answer was correct!



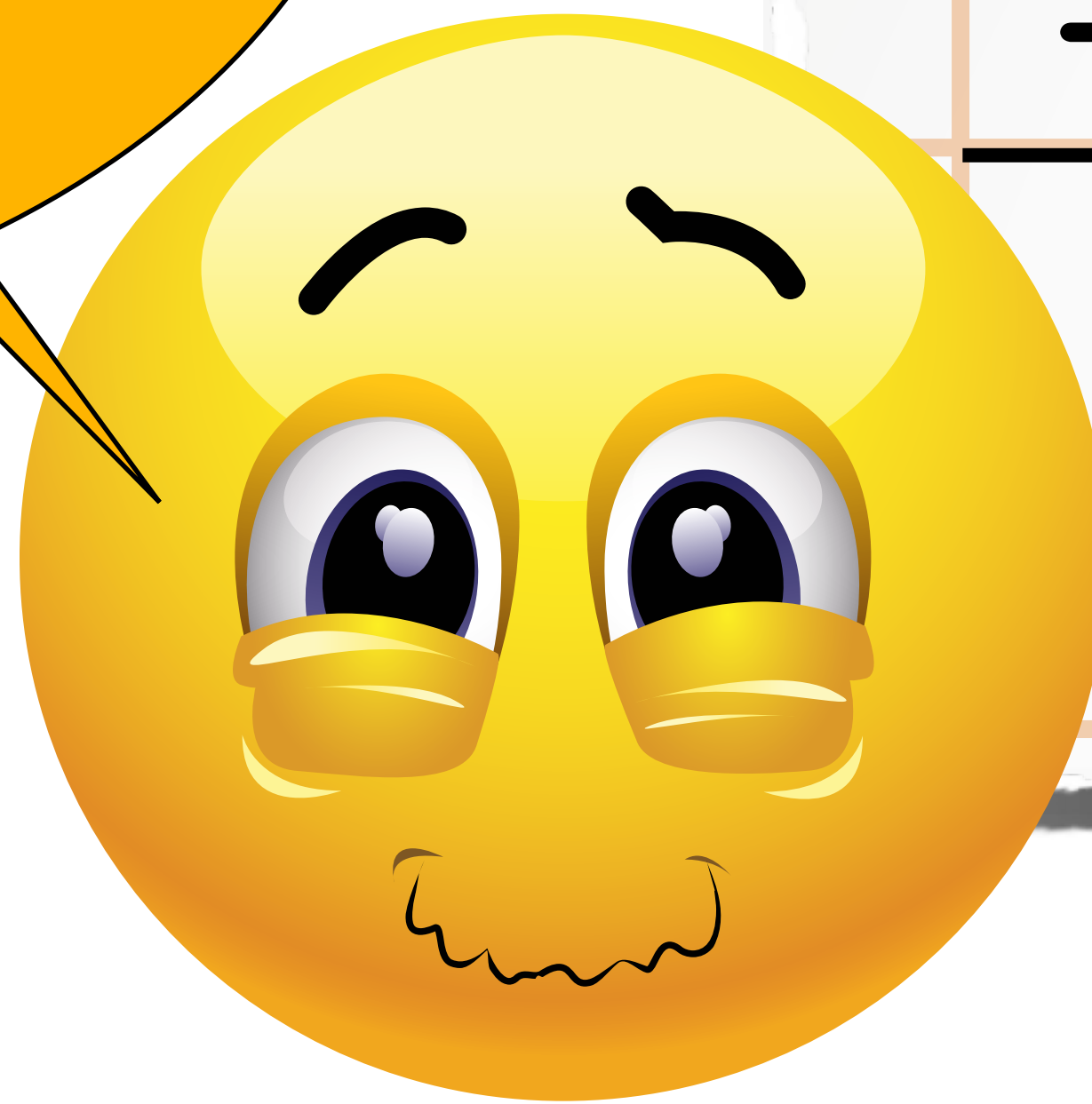
Now have a go at this one using the vertical column method!



		1	2	7	3	4	
	+	2	5	9	8	2	



Did you get
it right?

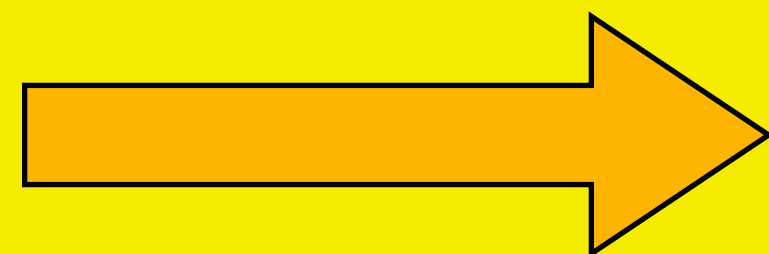
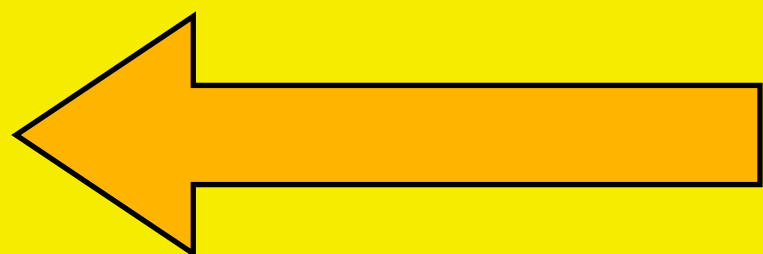


		1	2	7	3	4	
	+	2	5	9	8	2	
		3	8	7	1	6	
			1	1			

One more!



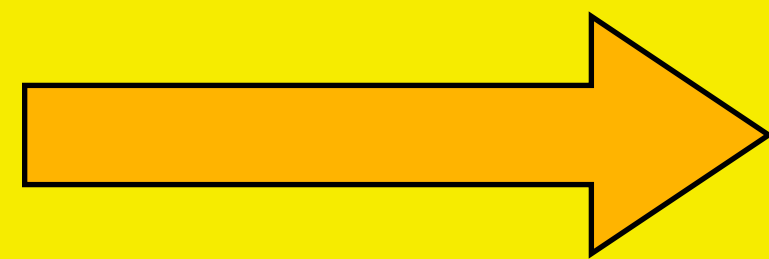
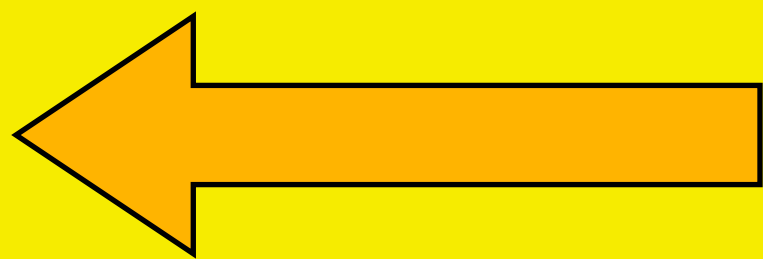
	1	7	6	4	8	3		
	+	3	4	7	5	6		
	<hr/>							
	<hr/>							



Did you
get it right?



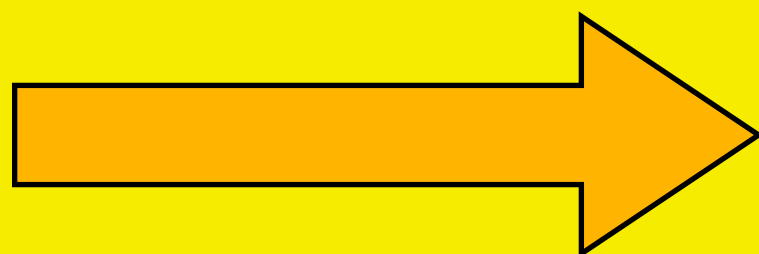
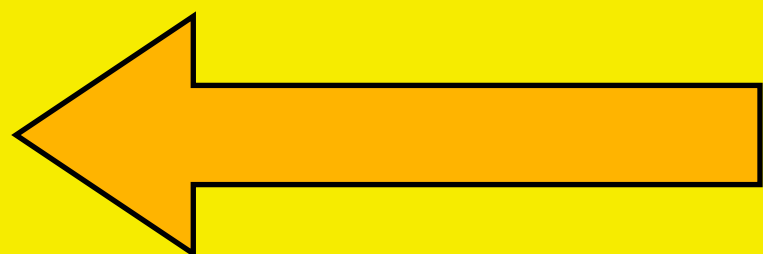
	1	7	6	4	8	3	
	+	3	4	7	5	6	
	2	1	1, 2	3	9		
	1	1	1	1			



Can you remember how to do column subtraction? How would you solve this problem?

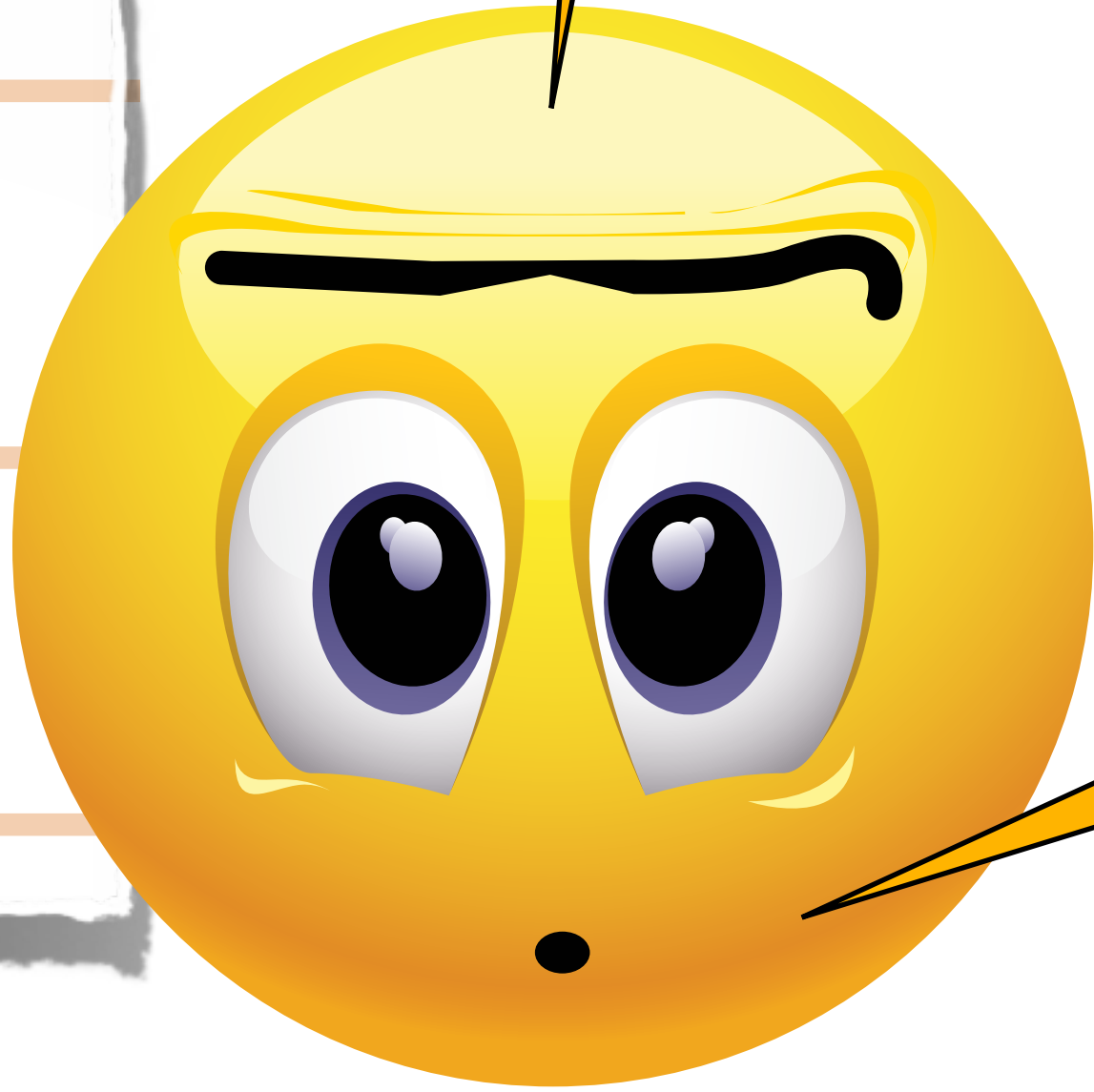


	6	7	8	5	
-	4	8	7	6	
<hr/>					
<hr/>					

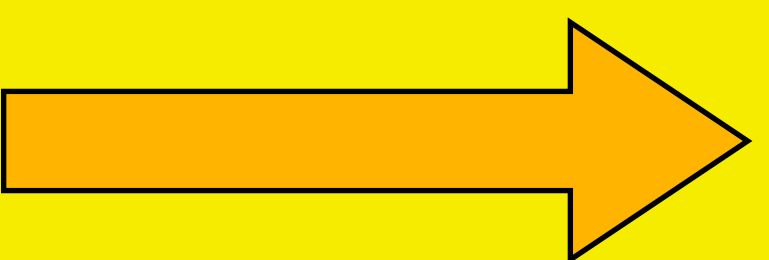
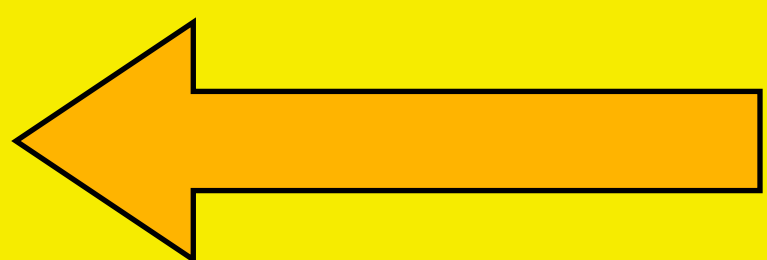


	5	1	7	1	
	6	7	8	5	
-	4	8	7	6	
<hr/>					
	1	9	0	9	
<hr/>					

Was this the answer you got?



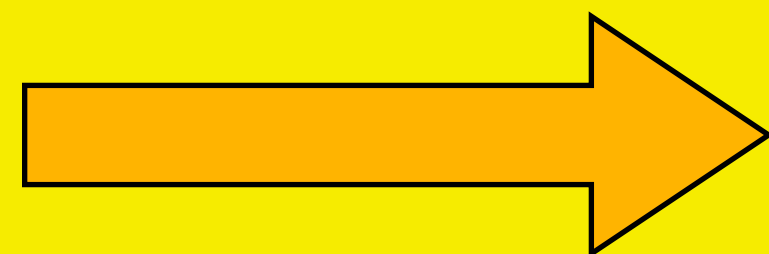
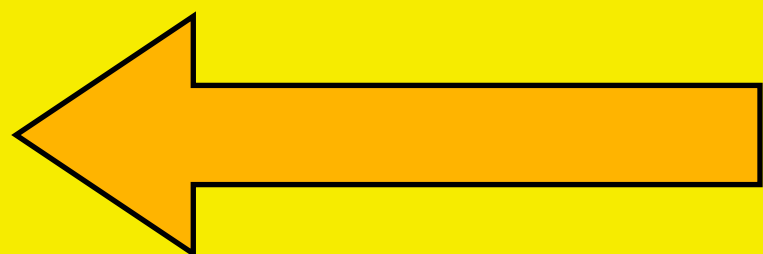
Were there other methods you could use to solve this?



Now have a go
at this one using the
same method!



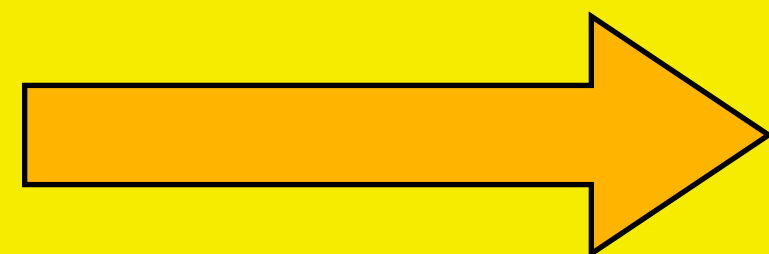
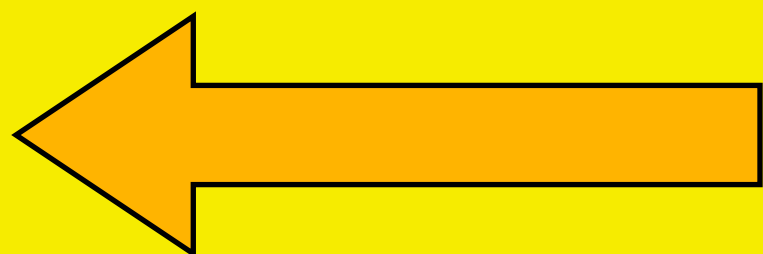
	7	5	4	9	7	
	-	2	3	7	4	



Did you
get it right?



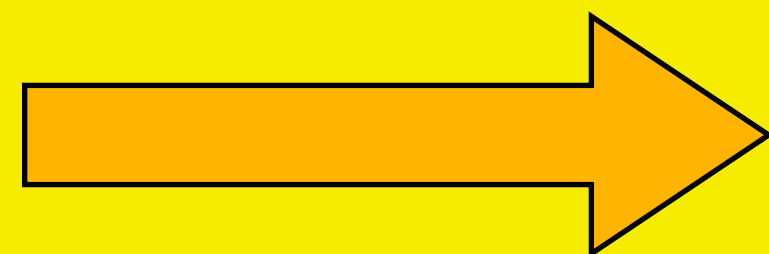
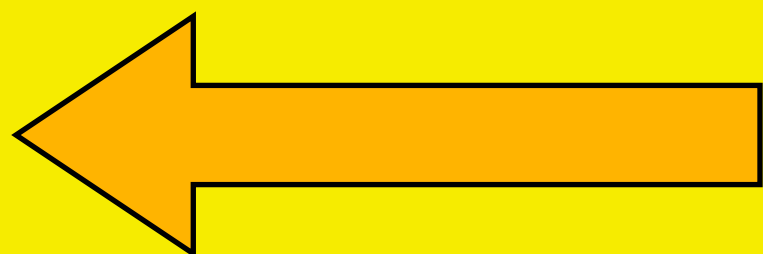
	7	5	4	9	7
	-	2	3	7	4
	7	3	1	2	3



Try this one
now!



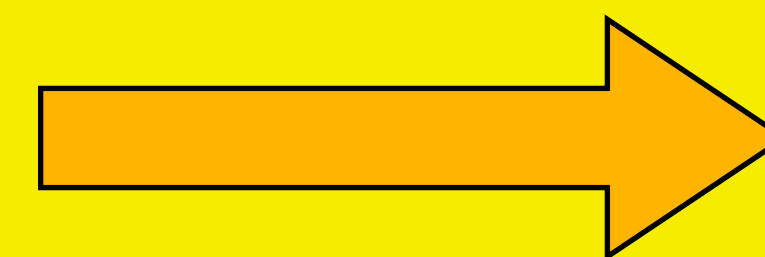
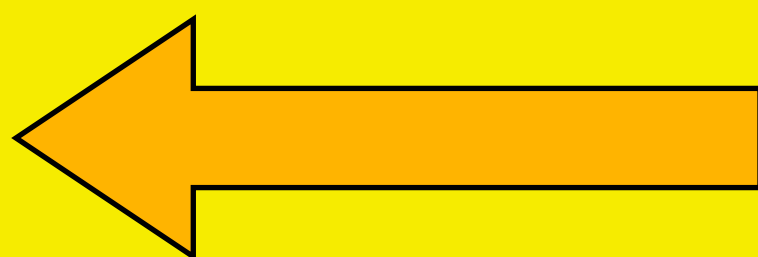
	6	3	4	4	5	1	
-	4	1	5	5	6	7	



Did you get
it right?



			²	¹ ₃	¹ ₃	¹ ₄	¹
	6	3	4	4	5	1	
-	4	1	5	5	6	7	
	2	1	8	8	8	4	

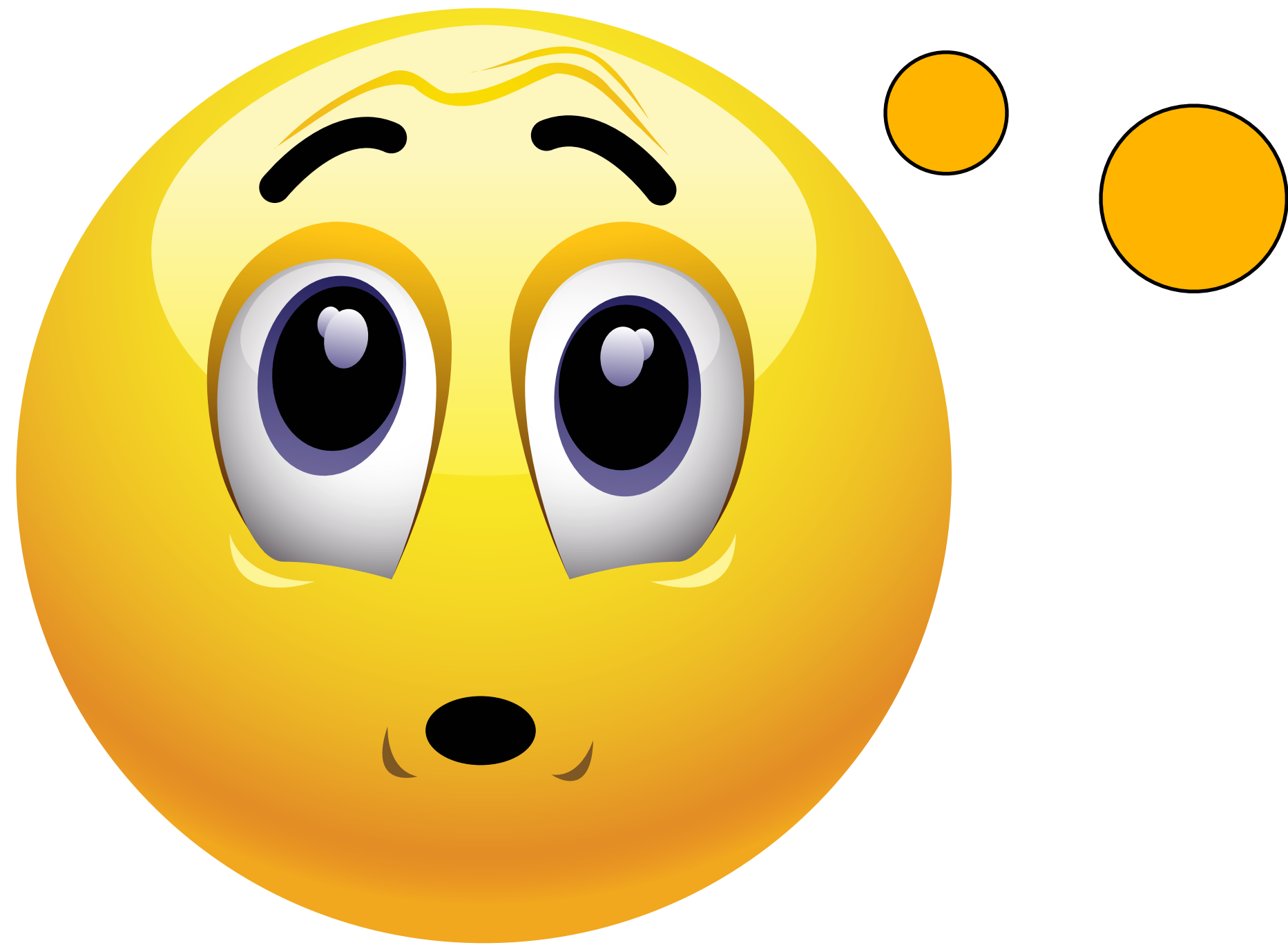


**Good job
everyone!**

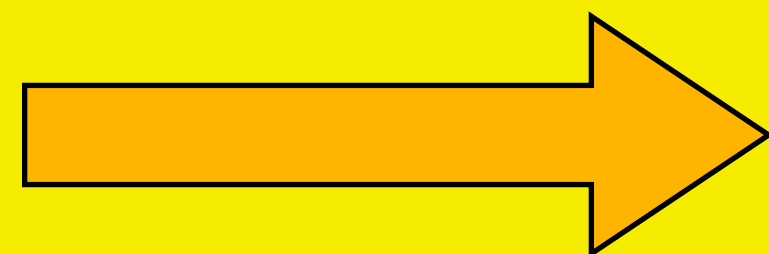
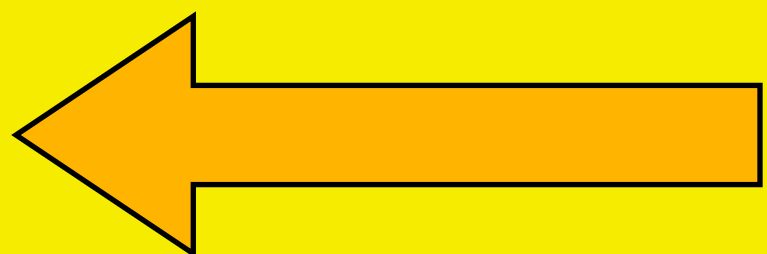


Plenary:

$$4532 - 3999 =$$



How could you solve this problem? What method would you use?



$$4532 - 3999 =$$

One way you could solve this would be to add one to both numbers.

$$\begin{aligned} &4532 - 3999 \\ &= (4532 + 1) - (3999 + 1) \\ &= \end{aligned}$$

Why are we adding one to both numbers?
What will we do next?



$$4532 - 3999 =$$

You can then easily take away 4000 from 4533.

$$\begin{aligned} &4532 - 3999 \\ &= (4532 + 1) - (3999 + 1) \\ &= 4533 - 4000 \\ &= \end{aligned}$$

What will the answer be?



$$4532 - 3999 = 533$$

This gives you the
answer 533.

$$\begin{aligned} &4532 - 3999 \\ &= (4532 + 1) - (3999 + 1) \\ &= 4533 - 4000 \\ &= 533 \end{aligned}$$

Was this the method you thought of?

