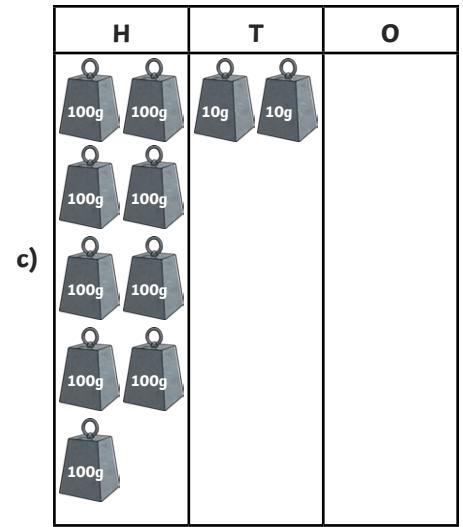
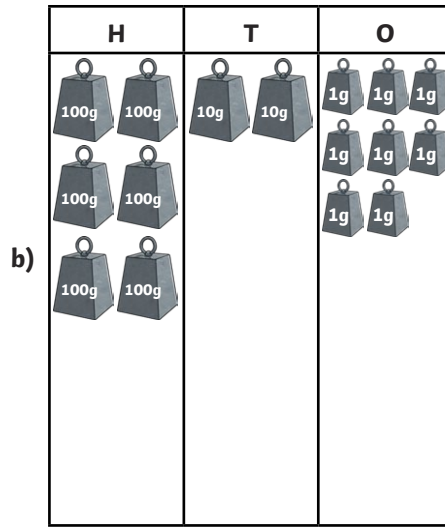
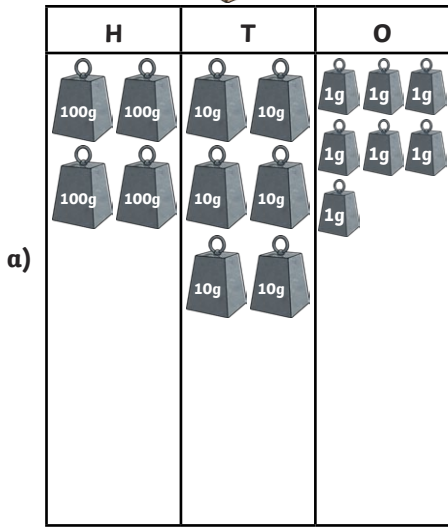


- 1) The mass of each parcel is shown in the place value grid. Alisha took some things out of each parcel. Find the new mass of each parcel. Cross out and draw in the place value grid to show when you exchange.



219g is removed from the parcel.

174g is removed from the parcel.

156g is removed from the parcel.

_____ - _____ = _____ g

_____ - _____ = _____ g

_____ - _____ = _____ g

- 2) Write a column subtraction to match each picture and work out the new mass of each parcel.



518g removed



661g removed



247g removed

- 3) A parcel's original mass was 812 grams. Its mass after some items were removed was 653 grams.

What was the mass of the items that were removed? _____



1) Betsy and Rowan are working out the new mass of this parcel:



The parcel had a mass of 468g. 172g was removed.

Look at their methods. Explain any mistakes each child has made.

Betsy	Rowan																									
	<table border="1" style="border-collapse: collapse; width: 100%;"> <tr><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td>4</td><td>6</td><td>8</td><td></td></tr> <tr><td>-</td><td>1</td><td>7</td><td>2</td><td></td></tr> <tr><td></td><td>3</td><td>1</td><td>6</td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td></tr> </table>							4	6	8		-	1	7	2			3	1	6						
	4	6	8																							
-	1	7	2																							
	3	1	6																							

2) Betsy isn't sure whether to exchange the ones, the tens or both. Can you explain where she will need to exchange and how you know?

	5	3	4	
-	2	6	1	



1) What could the missing numbers be? Find all the possibilities.

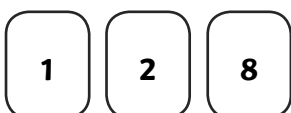
a)

	⁵ 8	¹ 5	8	
-	2		2	
	3		6	

b)

	⁵ 8		5	
-	2		1	
	3	6	4	

2) Rowan has three digit cards. He is trying to find all the different possible numbers that he could make with these cards. He wants to subtract each number from 962.



How many different calculations can you find? Label each calculation with 'no exchange', 'one exchange' or 'more than one exchange'. One has been done for you.

	9	6	2	
-	8	2	1	
	1	4	1	

no exchange

-				

-				

-				

-				

-				