

- 1) Terry has written the different calculations that can be made from each calculation. He has made some mistakes.



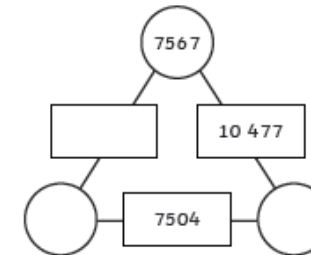
- a) Can you identify them all?

$32\ 105 + 16\ 251 = 48\ 356$	$52\ 132 - 12\ 658 = 39\ 474$
$16\ 251 + 32\ 105 - 48\ 356$	$52\ 135 - 39\ 474 - 12\ 658$
$16\ 251 - 48\ 356 - 32\ 105$	$39\ 474 + 12\ 658 - 52\ 132$
$48\ 356 - 32\ 105 - 16\ 251$	$12\ 658 + 52\ 132 - 39\ 474$

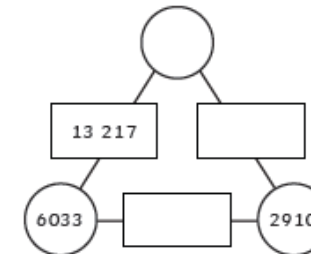
$9865 + 15\ 366 = 25\ 231$
$15\ 366 + 9865 - 25\ 231$
$25\ 231 - 15\ 366 - 9865$
$9865 - 25\ 231 - 15\ 366$

- b) How should Terry have written these correctly?
- 2) Terry says subtraction can be done in any order, just like addition. Do you agree? Explain your thinking and use examples.

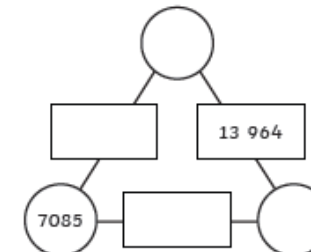
- 1) a) Can you complete this arithmagon by adding the numbers in two corners to find the number in the rectangle between them?



- b) Can you complete this arithmagon by finding the difference between the two corners to find the number in the rectangle between them?



- 2) What could the numbers be to complete this arithmagon? Find 2 different possible sets of numbers using addition or difference.



- 3) Now create your own arithmagons for your partner to try.