

4. Answer these questions then explain what you notice.

(a)	$8 + 3 =$	(b)	$-3 + 5 =$	(c)	$-6 + 1 =$	(d)	$-8 + 2 =$
	$8 + 2 =$		$-3 + 4 =$		$-6 + 2 =$		$-8 + 1 =$
	$8 + 1 =$		$-3 + 3 =$		$-6 + 3 =$		$-8 + 0 =$
	$8 + 0 =$		$-3 + 2 =$		$-6 + 4 =$		$-8 + -1 =$
	$8 + -1 =$		$-3 + 1 =$		$-6 + 5 =$		$-8 + -2 =$
	$8 + -2 =$		$-3 + 0 =$		$-6 + 6 =$		$-8 + -3 =$
	$8 + -3 =$		$-3 + -1 =$		$-6 + 7 =$		$-8 + -4 =$

5. Complete the addition grids.

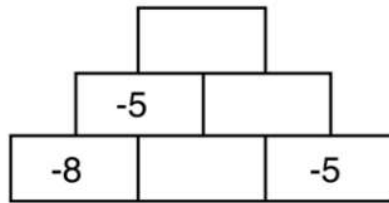
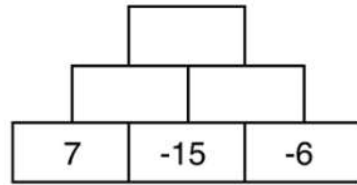
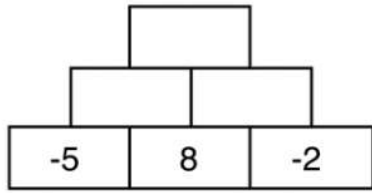
+	-4	-2	0	2	4
-3					
-1					
1					
3					

+		1		3	
-5	-5				-1
		-3			
				0	
	-2		0		

6. Fill in the grid with an example of each sum.  
Some boxes are not possible to fill in. Decide which ones.

	Sum is positive	Sum is zero	Sum is negative
positive + positive			
negative + positive			
positive + negative			
negative + negative			

9. Complete the addition pyramids. Each block is the sum of the two blocks directly below.



10. The size of each disc refers to the size of the number.  
Tick to show whether each sum is positive, negative or zero.

	Sum	Negative (< 0)	Zero (= 0)	Positive (> 0)
a	+  +			
b	+  +			
c	+			
d	+  +			
e	+  +			
f	+  +			
g	+			
h	+  +			