

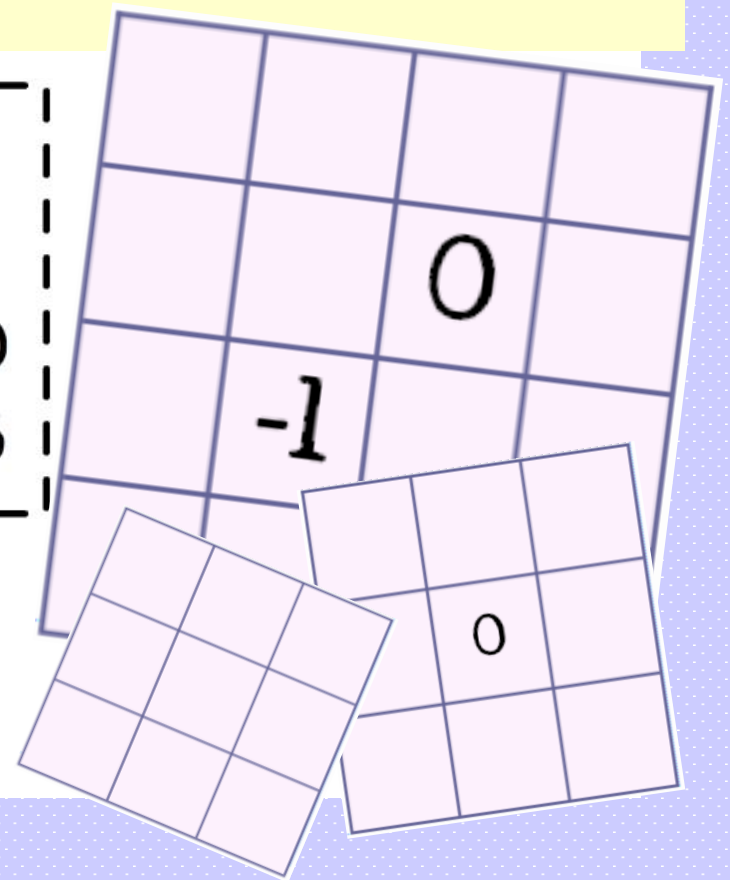
Negative Numbers Mystery Activity

the number in the top left
and the number in the top
right add up to -16

the top row adds up to 0

the
number
below 20
is $-8 - 3$

use the clues to solve
3 different puzzles

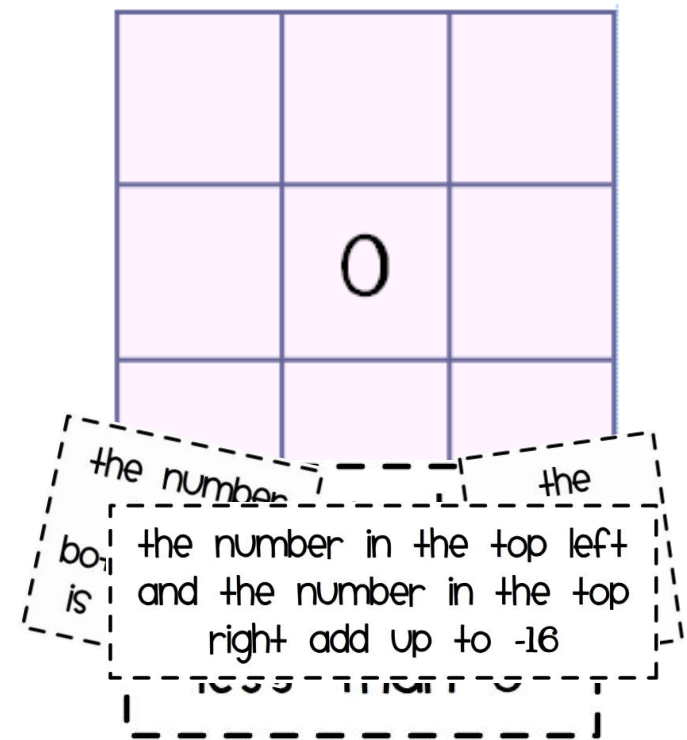


instructions

Students must use the clues to work out what the missing numbers in the grid will be. The trick is to look for which clues you can use first, and leave the rest for later.

There are three different versions of this task, which get progressively more difficult.

- Level 1:** Simple shifts on the number line, such as 5 more than -4 , or $6 - 10$
- Level 2:** Includes sums such as $-3 + -4$
- Level 3:** Larger grid, more difficult clues, requires more logic.



Use the clues to complete
the grid at the bottom

the number in the top
left is 3 less than -4

the number in
top right is 3 - 8

the number below
-5 is 10 - 16

the number
below -7 is 2
less than 0

the top row adds up to 0

the number in
the bottom
left is -4 + 8

the number
next to 4
is -3 - 6

the numbers in the right
hand column add up to -15

	0	

answers to puzzle 1

-7	12	-5
-2	0	-6
4	-9	-4

Use the clues to complete the grid at the bottom

the number in the top right is $-4 + -3$

the number in the middle is $-2 - -3$

the numbers in the top row add up to 3

the number in the bottom right is $-3 - -6$

the number in the bottom left is $3 + -4$

the number below -7 is 4 more than -10

the number below 20 is $-8 - 3$

the number below 1 is half way between the number in the top right and the number in the bottom right

answers to puzzle 2

20	-10	-7
-11	1	-6
-1	-2	3

Use the clues to complete the grid at the bottom

the number below
-14 is half of -6

the number next to
-2 is 5 less than the
number it is above.

the number below 9 is the
sum of the numbers in the
top right and the bottom left

the number in the
top right is $-5 - -3$

the number below
11 is $-7 + -2$

the
number in
the
bottom
right is
 $10 + -6$

the number below -1 is $-3 - 15$

the number in
the bottom left
is 10 less than
the number in
the bottom right

the
number
above 4
is $8 - 15$

the numbers in the right
hand column add up to -20

the number in the top left
and the number in the top
right add up to -16

the numbers in
the top row
add up to -10

the numbers in the left hand
column add up to $-10 - -10$

the number next
to -7 is $12 + -3$

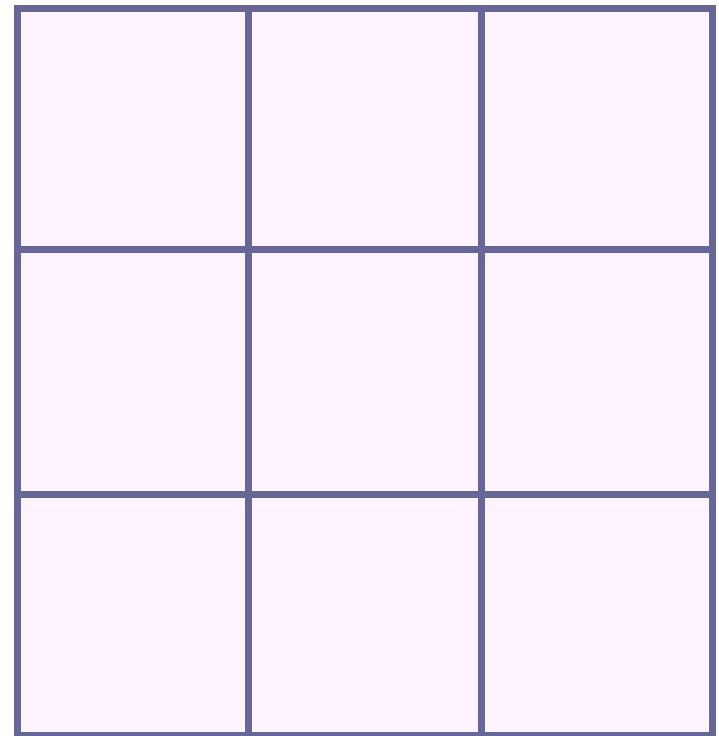
		0	
	-1		

answers to puzzle 3

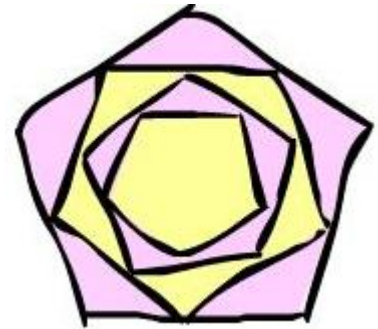
-14	11	-5	-2
-3	-9	0	-15
23	-1	9	-7
-6	-18	-8	4

extension

can you make up your own
negative numbers mystery grid?



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