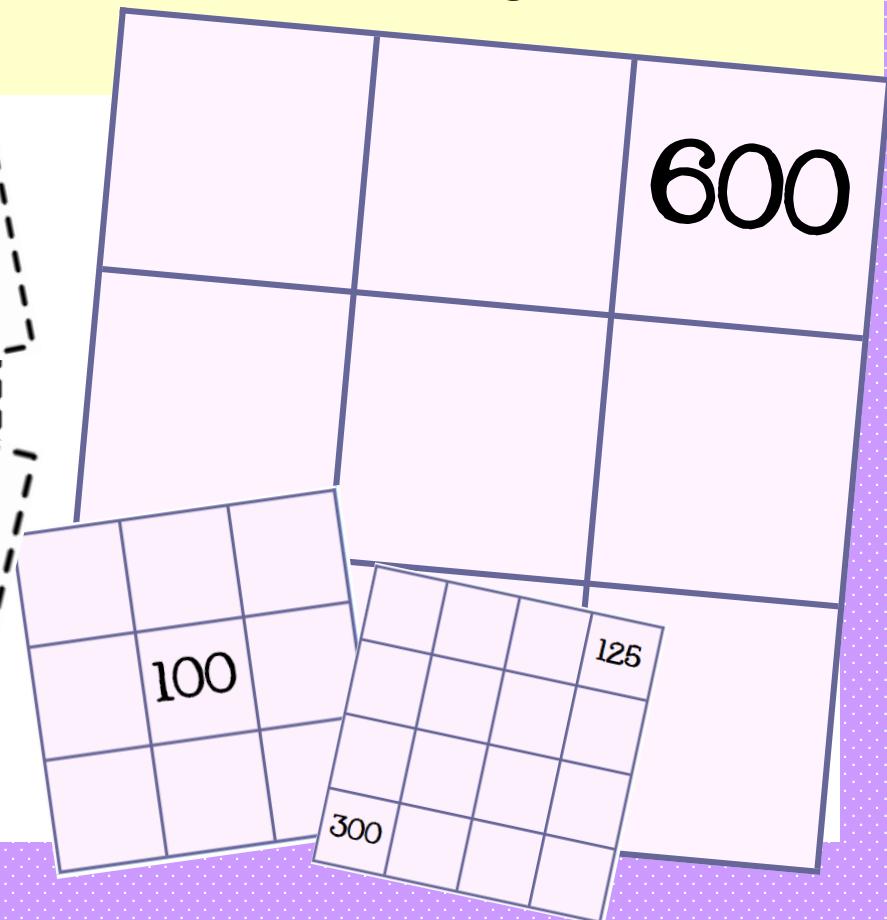


Percentages of An Amount

Mystery Activity

the numbers in the top row add up to 95% of the number in the bottom left.

use the clues to solve the puzzle

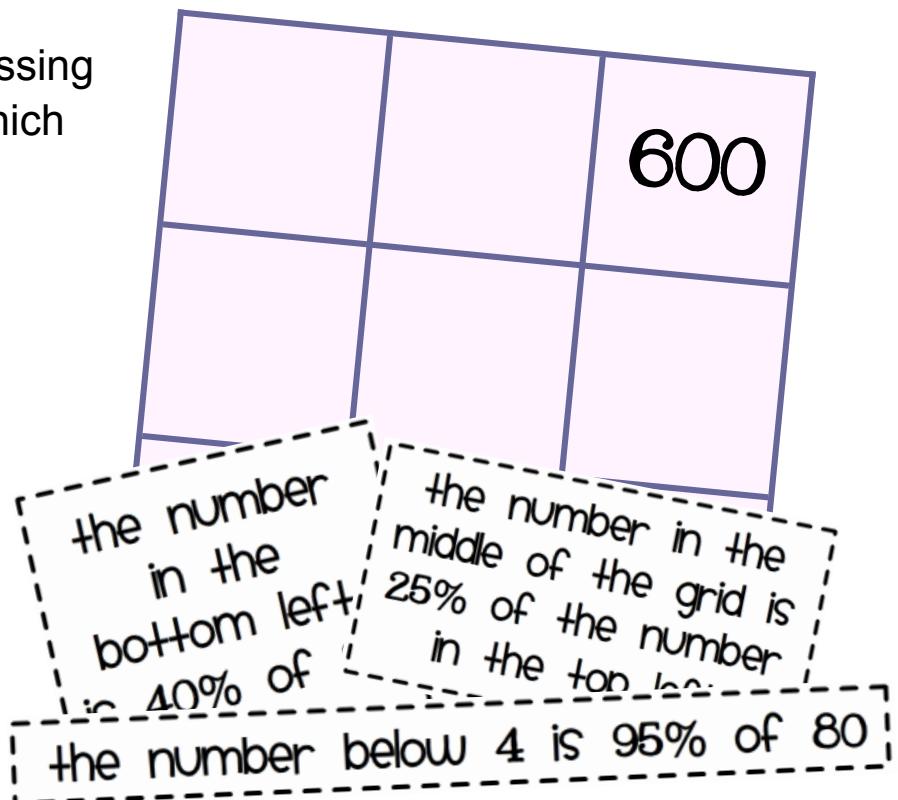


instructions

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, depending on where your class are at with percentages of an amount:

- Level 1:** All percentages are multiples of 10
- Level 2:** Includes 5%, 1% and 2%
- Level 3:** Larger grid, more difficult percentages to calculate, one question asks to work from 10% to 100%



Use the clues to complete
the grid at the bottom

the number below 20 is 10% of 70

the numbers in the bottom
row add up to 20% of 500

the number in the top left is
20% of the number in the middle

the number above
18 is 50% of 70

the number
in the
bottom left
is 40% of 80

the number in the
bottom right is
30% of 60

the number in the top
right is 50% of the
number in the top left

the number next
to 10 is 10% of
the number in
the top left

100

answers to puzzle 1

20	2	10
7	100	35
32	50	18

Use the clues to complete the grid at the bottom

the number below 16 is
5% of the number
above 16

the
number
above 150
is 12% of
200

the number in the top
left is 11% of 500

the number in the
middle of the grid is
25% of the number
in the top right

the numbers in the
middle row add up to
85% of 200

the number below 4 is 95% of 80

the number next to 76 is 20% of
the number in the top left

the number to the left
of 150 is 5% of 80

		600

answers to puzzle 2

55	24	600
4	150	16
76	11	30

Use the clues to complete the grid at the bottom

the number in the bottom right is 4% of the number in the top right

the number below 2 is 1% of 1500

the number above 69 is 42% of the number in the bottom left

the numbers in the column on the right add up to 88% of 200

the number below 32 is 50% of the number above 5

the numbers in the top row add up to 95% of the number in the bottom left

the number to the left of 5 is 150% of the number in the top left

10% of the number below 6 is 40

the number next to 28 is 23% of 300

the number below 9 is 16% of 150

the number above 5 is 15% of 120

the number below 69 is 1% of 150

the number in the top left is 8% of 400

			125
300			

answers to puzzle 3

32	2	126	125
9	15	69	28
24	6	1.5	18
300	400	48	5

extension

can you make up your own
percentages mystery grid?

