

MYSTERY NUMBERS AND OTHER NUMBER PUZZLES

Write two odd numbers whose sum is 16. (9,7)

Write two numbers whose sum is 11 and whose difference is 1.
(6,5)

Write two numbers that have a sum of 9 and a difference of 9.
(9,0)

Write two numbers whose sum is 5 and whose difference is 1.
(3,2)

Write two numbers whose product is 24 and whose sum is 11.
(8,3)

List 3 pairs of numbers with a difference of 54.

MYSTERY NUMBERS – WORKING BACKWARDS

- Add 7 to my mystery number and you get 15.
- Subtract 6 from my mystery number and you get 3.
- Subtract 5 from my mystery number. Then add 8 and you get 10.
- Add my mystery number to itself. Then subtract 4 and you get 0.
- Subtract 7 from my mystery number and you get 3.
- Add 17 to my mystery number and you get 20.
- Subtract 3 from my mystery number. Then add 9 and you get 10.
- Add 8 to my mystery number. Then subtract 8 and you get 5.

- Add my mystery number to itself and you get 12.

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I am thinking of a mystery number.
If you add 5 to this number you will get the same answer as
when you subtract the mystery number from 89.
What is the number?

My number is between 80 and 90.
The sum of the digits is 13.
What is the number?

I am not an even number.
I am between 20 and 50.
The sum of my digits is 7.
I am a multiple of 5.

My number is:
Less than 10
More than 4
An even number
Between 5 and 8 (6)

I am an even number between 20 and 40.
The sum of my digits is 9.

MENTAL MATH

Start with 37	Pick any number
Add 3	Add 3
Divide by 8	Double that
Multiply by 11	Subtract 2
Divide by 5. (11)	Take half of this
	Subtract 2 (beginning number)

Start with 8	Pick any number
Multiply by 2	Multiply by 3
Divide by 4	Add 7
Add 3	Add the number you started with
Multiply by 5	Add 5
Add 1	Divide by 4
Divide by 9 (4)	Subtract the number you started with (3)