

Math Magic Number Tricks

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A Fantastic Math Trick!

- Pick a 1-2 digit number. Write your number in spot 1 of the Number List.
- Pick another 1-2 digit number (or use the same one!) Write this number in spot 2.
- Add your first two numbers. Place the sum in spot 3.
- Add the numbers in spots 2 and 3. Write the new sum in spot 4.
- Add the numbers in spots 3 and 4. Write this sum in spot 5.
- Continue adding consecutive numbers until you fill in all ten spots.

The Number List

Spot Number

1	___
2	___
3	___
4	___
5	___
6	___
7	___
8	___
9	___
10	___

Now, add up all ten of your numbers.

Write the sum at the bottom of this page and then tear off the sum!!!

Please do not let me see it!

I will be able to quickly find the sum of all ten of your numbers.

Guess My Age 1

Think of a two-digit number:

- Multiply the tens digit by 5
- Add 3 to the result
- Double the result
- Add the ones digit
- Tell me the answer

Guess My Age 2

Number of times you want to go out and eat, more than 0 less than 10.

- Double that number and Add 5 to the result.
- Multiply the result by 50
- If you have already had your birthday this year, add 1760, if not – add 1759
- Subtract your 4-digit birth year.

Voila!

Read your Mind 1

Choose a 4-digit number, add up the digits and subtract the sum from the original number.

Cross one of the digits of the difference, tell me the other 3 and I will tell you which digit you have crossed out.

The audience leads the trick

Think of a number, any positive integer (but keep it small so you can do computations in your head).

1. Square it.
2. Add the result to your original number.
3. Divide by your original number.
4. Add, oh, how about 17
5. Subtract your original number.
6. Divide by 6.

I can see in your pocket

1. Multiply your age by 2.
2. Add 5.
3. Multiply this sum by 50.
4. Subtract 365.
5. Add the amount of loose pocket change, but do NOT count change totaling \$1 or over (i.e., must be less than \$1)
6. Add 115 -- final outcome:

Notice that the *first two digits will be the person's age*, and the *last two digits are the amount of the person's pocket change*.

1. Magic Squares
2. Gibson's Circled Dates
3. Guessing the Dice

*Source: "Mathematics magic and
mystery" by Martin Gardner*

Magic squares

Volunteer

- Select a month in the 2011 calendar.
- Draw a square so that it includes 9 dates.
- Tell me the smallest of the numbers in the square.

Gibson's Circled Dates

Volunteer

- Select a month in the 2011 calendar.
- Tell me the month.
- Circle at random one date on each of the five horizontal lines (If you chose July or October 2011, only use the first 5 lines).

How many Sundays do you have circled?

How many Mondays do you have circled?

How many Tuesdays do you have circled?

How many Wednesdays do you have circled?

How many Thursdays do you have circled?

How many Fridays do you have circled?

How many Saturdays do you have circled?

The sum of all your circled numbers is ...

Guessing the dice

- Throw 3 dice on the table and find the sum showing.
- Pick up one of the dice. Add the number on the bottom of the dice to your sum.
- Roll this die again. Add the showing number to your sum.

I have no way of telling which die you rolled twice!

And your sum is ...