

Guess My Number

You need: a hundreds chart (optional), 3 classmates

ACTIVITY

1. I'm thinking of a number ...

a.

between 25 and 32.
Its tens digit is smaller than
its ones digit.
If I halve my number,
I get an even number.

Guess my number!



b.

greater than 50 and less
than 100.
It is divisible by 5.
Its digits add up to 8.

Guess my number!

2. I'm thinking of 10 ...

a.

I halve it.
I add 10.
I subtract 7.

What is left?



b.

I subtract 3.
I double it.
I subtract 6.

What is left?



c.

I double it.
I add 4.
I divide by 3.

What is left?



3. Write some different instructions for starting at 10 and ending up with the same number that is left in question 2a.

4. a.

Think of a number.

- Double it.
- Add 8.
- Divide by 2.
- Take away the number you first thought of.

What do you get?

- b. Try the same instructions with some more numbers.
Write down your starting numbers and your answers.
- i. What do you notice?
 - ii. Why has this happened?

5. Write some different instructions that will work for any starting number.
Test them on three different people.

