

Try It

Solve the problem.

- ① These are the rules for the game *Got Your Number*. Suppose you are playing with your friend. Your friend ends with the number 160. What number was your friend thinking of at the start?

Got Your Number

1. Think of a number.
2. Add 25.
3. Double the result.
4. Subtract 40.
5. Say the number you end with.

Mark
the Text



Read the Problem and Search for Information

Identify what the problem asks you to find. Underline the words and numbers that show how the starting number is changed.

Decide What to Do and Use Your Ideas

You can use the strategy *Guess, Check, and Revise*.

Fill in the table as you work through the steps below.

Guess	Starting Number	Steps			Result
		Add 25	Double	Subtract 40	
1	100	125	250	210	too high
2	50				too _____
3					

Ask
Yourself

How can I organize my guesses in a table?

Step 1 Guess a starting number and check if it works.

Step 2 Use that information to make a better guess. Keep going until you get a starting number that works.

My friend's starting number was _____.

Review Your Work

Start with your answer. Do all the steps. See if you end with 160.

Explain Why should your starting number for the third guess be greater than 50?