

low = 5 5
high = 5 4
guess = 5 X
user: "too high"

```

//from ReadInt.java
Scanner input = ...;
System.out.println("Please enter a number.");

while(!input.hasNextInt())
{
    System.out.println("That was not a number. Please enter a number.");
    input.nextLine(); //throw away whatever they typed. We know it is not an integer.
}

//We know the user has put in an integer
int number = input.nextInt();
System.out.printf("You typed: %d \n", number);

```

Handwritten annotations: "Scanner input = ..." is circled in red. "Please enter a number." is circled in blue with an arrow pointing to it labeled "prompt". "Please enter a number." in the while loop is also circled in blue.

Handwritten examples of numbers with arrows indicating digit positions:

> 536 ← . > 12 ← . 34

static method implementation

- String prompt parameter
- Scanner input parameter
- return number

non-static method

- String prompt param
- Scanner input as instance variable
- init. input in a constructor

Input Checker

write getNextDouble()
in InputChecker
test it in InputCheckerTest

