$$(\text{int})\, a/b$$

$$a = 1.0$$
$$b = 0.5$$

Use a for loop to
calculate the [sum]
of 1 ... 10 and print it.

```
int total = 0;
for (int count=1; count<=10; count++)
          start      condition      next
{
        total = total + count;
}
S.o.pln(total);
```

String total = "sum: ";

+ : concatenation

"Hello" + "World"

"HelloWorld"

"Hello" + 6

"Hello6"

"The total is " + total

Scanner methods

next( )

nextLine( )

nextInt( )

nextDouble( )

_____

hasNext( )

hasNextInt( )

hasNextDouble( )

0. Set up Scanner

1. ask for a number

2. declare number variable

3. if there is no int on input
    - complain
  otherwise print the number

!true is false
↑
not

while(!input.hasNextInt()){

}