

ACT #34 Answer Sheet

```
function runActivity() {  
  let c_even = 0;  
  let c_odd = 0;  
  let c_pos = 0;  
  let c_neg = 0;  
  let c_int = 0;  
  let c_deci = 0;  
  let num;  
  let num_count = Number(  
    prompt("How many numbers would you like to enter? 2-20")  
  );
```

```
  if (num_count >= 2 && num_count <= 20) {  
    for (let i = 0; i < num_count; i++) {  
      num = Number(prompt("Give me a number."));
```

```
      if (num > 0) {  
        c_pos++;  
      } else if (num < 0) {  
        c_neg++;  
      }
```

```
      if (num % 1 == 0) {  
        //check if the number is an integer  
        c_int++;  
        if (num % 2 == 0) {  
          if (num != 0) {  
            c_even++;  
          }  
        } else {  
          c_odd++;  
        }  
      } else {  
        c_deci++;  
      }  
    }  
  }
```

```
console.log("Number count: " + num_count);
```

```
console.log("Even numbers: " + c_even);
```

```
console.log("Odd numbers: " + c_odd);
```

```
console.log("Positive numbers: " + c_pos);
```

```
console.log("Negative numbers: " + c_neg);
```

```
console.log("Integers: " + c_int);
```

```
console.log("Decimal numbers: " + c_deci);
```

```
} else {
```

```
console.error("ERROR: Invalid input! Must be a number between 2 and 20.");
```

```
}
```

```
}
```