Ballparking

1. (We don't know the exact answers to these questions; mainly we ask them to stimulate discussion.)
   a) How many birthday posts occur on Facebook on a given day?
   b) How many cows are there in Canada?
   c) How many golf balls could you fit into a school bus?

System.out.println

2. Exercise 1.7, p55 ("Mantra"). Write a complete Java program that produces the exercise's output. For now, put all of your code into the program's main method.

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3. Self-Check 1.12, p48 ("DoubleSlash"). Write the output of the program shown.

```java
public class Letter {
    public static void main(String[] args) {
        System.out.println("Dear \"DoubleSlash\" magazine,\n        \nSincerely,\n        Susan \"Suzy\" Smith");
    }
}
```

4. Exercise 1.4, p55 ("Difference"). Write a complete program that produces the output shown.

What is the difference between
a ' and a "? Or between a " and a "?

One is what we see when we're typing our program.
The other is what appears on the "console."
5. **Self-Check 1.26, p52 ("Confusing").** Write the output of the program shown.

```java
public class Confusing {
    public static void method1() {
        System.out.println("I am method 1.");
    }

    public static void method2() {
        method1();
        System.out.println("I am method 2.");
    }

    public static void method3() {
        method2();
        System.out.println("I am method 3.");
        method1();
    }

    public static void main(String[] args) {
        method1();
        method3();
        method2();
        method3();
    }
}
```

6. **Exercise 1.7, p55 ("Mantra"), revisited.** Improve the Mantra program from Problem #2. Remove its redundancy by adding a static method.

7. **Exercise 1.13, p57 ("StarFigures").** Write a complete program that generates the output shown. Use static methods to show structure and to eliminate redundancy in your solution.

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```

If you have time, consider adding a comment heading with your name and section at the top of the program.