Check your understanding of Primitive types

1) Which of the following data types are represented by numerical values?

1. Byte
2. Boolean
3. Char
4. Double
5. Int

byte correct

boolean

char correct

double correct

int correct

### 2) Check Your Understanding

0.0/1.0 point (graded)

int x = 31 + 7 - 8;

What is the outcome of executing the following code segment?

### 3) Check Your Understanding

0.0/1.0 point (graded)

int x = 44 + 6 \* 2;

What is the outcome of executing the above code segment?

### 4) Check Your Understanding

0.0/1.0 point (graded)

int x = 18 / 10;

What is the outcome of executing the above code segment?

5) public class Practice {

public static void main(String[] args) {  
 Scanner s = new Scanner(System.in);  
 int a = s.nextInt();  
 int b = s.nextInt();  
  
 /\*\*\* TODO: Write a statement that calculates the sum of "a" and "b" and stores the result in "x" \*\*\*/  
  
 System.out.println("The answer is " + x);  
 }

}

### 6) Check Your Understanding

0.0/1.0 point (graded)

double x = Math.cos(Math.PI);

What is the value of x after the above code segment executes? Ans (-1.0)

### 7) Check Your Understanding

0.0/1.0 point (graded)

double x = 8 / 3;

What is the value of x after the above code segment executes?

### 8) Check Your Understanding

0.0/1.0 point (graded)

double x = 9.0 / 2;

What is the value of x after the above code segment executes?

9) public class Practice {

public static void main(String[] args) {  
 Scanner s = new Scanner(System.in);  
 int a = s.nextInt();  
  
 /\*\*\* TODO: Write a statement that calculates the square root of "a" and stores the result in "z" \*\*\*/  
  
 System.out.println("The answer is " + z);  
 }

}

Solution:

**package** test;  
  
**import** java.util.Scanner;  
  
/\*\*  
 \*  
 \* **Java program to find the square root of a number in Java**.  
 \* This Java program example demonstrates using Math class  
 \* sqrt() method to get the square root of a number in Java.  
 \*  
 \* @author Mansi  
 \*/  
**public** **class** SquareRoot{  
  
    **public** **static** **void** main(**String** args[]) {  
       
        *//Used to get input number for which square root to find*  
        **Scanner** scanner = **new** **Scanner**(**System**.in);  
       
        **System**.out.println("Enter number to find square root in Java : ");  
       
        *//getting input number from user to calculate square root*  
        **double** square = scanner.nextDouble();  
       
       
        *//getting the square root of a number in Java*  
        **double** squareRoot = **Math**.sqrt(square);  
       
        *//printing number and its square root in Java*  
        **System**.out.printf("Square root of number: %f is : %f %n" , square, squareRoot);  
     
    }  
   
   
}