Java Practice Questions

Write the following code and answer the questions

public class NumbersAndMath

{

public static void main( String[] args )

{

#Printing string: “I will count my chickens:”

System.out.println( "I will now count my chickens:" );

#Printing string: “Hens “ and printing int: evaluation of 25 + 30 / 6

System.out.println( "Hens " + ( 25 + 30 / 6 ) );

#Printing string: “Roosters “ and printing int: evaluation of 100 - 25 \* 3 % 4

System.out.println( "Roosters " + ( 100 - 25 \* 3 % 4 ) );

#Printing string: "Now I will count the eggs:"

System.out.println( "Now I will count the eggs:" );

#Printing int: evaluation of 3 + 2 + 1 - 5 + 4 % 2 - 1 / 4 + 6

System.out.println( 3 + 2 + 1 - 5 + 4 % 2 - 1 / 4 + 6 );

#Printing string: "Is it true that 3 + 2 < 5 - 7?"

System.out.println( "Is it true that 3 + 2 < 5 - 7?" );

#Printing Boolean: false

System.out.println( 3 + 2 < 5 - 7 );

#Printing string: "What is 3 + 2? " and printing int: 3 + 2

System.out.println( "What is 3 + 2? " + ( 3 + 2 ) );

#Printing string: "What is 5 - 7? " and printing int: 5 - 7

System.out.println( "What is 5 - 7? " + ( 5 - 7 ) );

#Printing string: "Oh, that's why it's false."

System.out.println( "Oh, that's why it's false." );

#Printing string: "How about some more."

System.out.println( "How about some more." );

#Printing string: "Is it greater? " and printing Boolean: true

System.out.println( "Is it greater? " + ( 5 > -2 ) );

#printing string: "Is it greater or equal? " and printing Boolean: true

System.out.println( "Is it greater or equal? " + ( 5 >= -2 ));

#printing string: " Is it less or equal? " and printing Boolean: false

System.out.println( "Is it less or equal? " + ( 5 <= -2 ) );

}

}

1. Add comments above each line to explain what the line is doing.
2. Why are there no decimals?

The numbers are classified as int, which are numerical values that do not contain decimals.

1. Why do some numbers evaluate to True or False while others evaluate to other numbers.

Statements that have the < or > character indicates it is a Boolean.