Java Practice Questions

Write the following code and answer the questions

public class NumbersAndMath

{

public static void main( String[] args )

{

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

//it’s printing out “I will now count my chickens:”

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

// printing out “hens 30 divide by 6 then plus 25

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

// printing “rooster + 100 – 25 then multiply by 3 then the power of 4 but in BEDMAS order

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

// printing out “now I will count the eggs”

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

// prints out 3 plus 2 plus 1 minus 5 plus 4 power of 2 minus 1 divide by 4 plus 6

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

// asking if it is true 5 less than -2 and the answer is

false

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

// 5 less than -2 and it false

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

// asking what is 3 + 2 and the answer is 5

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

// asking what is 5 -7 the answer is -2

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

// prints out “oh, that’s why its false”

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

// prints out “ how about some more.”

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

//asks is it greater; answer is true

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

// ask is it greater or equal? Answer is true.

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

// ask is it less or equal answer is false

}

}

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

in java number will round if you do not state it to keep the decimals

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

The questions that are asking if a number is greater