

1. Convert the following mathematical expressions into Java code, one expression per line. Remember to write the expression within a `print()` function. For example, `print ( 1+1)`. Save this 6-lines program in a file, and name it 02.02.01 Arithmetic.java and save it in your save folder on your USB drive.

2 multiplied by 3  
 $2 + 3 \times 5$   
 $(2 + 13) / 5$   
25  
 $7/3 - 1$   
 $(7 - 12) / (6 - 1)$

2. Create a geometry program Circumference.java that prints the circumference ( $2(\pi)r$ ) of a circle with radius 15 cm. Use the value 3.14 for pi. Verify your program's calculation manually. Write a program that just displays the calculated answer. Modify the program so that the answer is printed as:  
"The circumference is XX cm", where XX is the calculated answer.

3. Create a LongJumpAverage.java application that calculates and displays the average jump length of an athlete whose jumps were 3.3 m. 4.0 m and 3.0 m.