**Algorithm Workbench**

#2. Display “The retail price of the item being purchase?"

Input retail price of item

Display" The sales tax rate?"

Input tax rate

Display" The sales tax for the purchase?"

Input sales tax of purchase

Display “The total of the sale?"

Input total of the sale

The sales tax for purchase = the retail price \* sales tax rate

Total for the sale = retail price + sales tax purchase

**Predict the results**

#1. 7

**Short answer**

1. Main memory holds the sequence of an instruction in the program while they are running and program use those data from the main memory. Secondary storage is the type of memory that can hold the data for long time even without electric city in computer.

4. Higher level language programs are translated into the machine language because each different type of cpu has its own machine language.

6. Source file is the text file where java programming statements are saved by given name .java or .jpg.

8. Algorithm is a set of well-defined steps for performing a task.

9. A program that translates source code into executable code.

14. Bytes code make java a portable language because once source code compiled to byte code that file can be used in any java supported platform without any modification and java code can execute on all major platforms.