Unit 24 Program design and computer languages

Name: _____

1 *Decide if the following words collocate with* code *or* language. *Choose the correct answer.*

1 low-level ○ code ◉ language
2 machine ◉ code ○ language
3 object ◉ code ○ language
4 high-level ○ code ◉ language
5 programming ○ code ◉ language
6 markup ○ code ◉ language
7 source ◉ code ○ language
8 assembly ○ code ◉ language

Now listen to the collocations and practise saying them.

2 *Complete the definitions from an online dictionary by typing in terms from Exercise 1. Then choose the correct verb forms from the drop-down menu.*

HELP?

1 programming language : general term for a formal language used to write instructions that can be translated into machine language and then executed by a computer.

2 machine code : a set of instructions that a computer can understand directly; it is expressed in binary code and is very difficult to write .

3 assembly language : a type of low-level language that uses abbreviations such as ADD, SUB and MPY to represent instructions; then translated into machine code using an assembler.

4 low-level language : a language such as an assembly language, which does not need a compiler or interpreter.

5 high-level language : developed to make programs easier to write ; for example, FORTRAN, BASIC, C and Java.

6 source code : the original work of a programmer, which must be translated by a compiler.

7 object code : instructions that a compiler generating from source code written in a higher-level language, for example C++.

8 markup language : a language for create web documents.

3 *Complete these steps in the writing of a program by typing in the words from the box.*

~~debug~~ ~~documentation~~ ~~flowchart~~ ~~problem~~ ~~compile~~ ~~instructions~~

1 Understand the problem and plan a solution.
2 Make a flowchart , which shows the steps of the program.
3 Write instructions in a programming language.
4 compile the program – that is, turn it into machine code.
5 Test for errors and debug the program.
6 Prepare documentation , for example the instruction manual.