1. **Choose the words from bank. /5**

 steps understand arrange solution algorithms

1. We create algorithms to help solve a problem or perform a task.
2. To write an algorithm, we must understand the problem and come up with a solution that makes sense.
3. We can use logical thinking to break down a problem into smaller pieces and think about the steps that give us the results we need.
4. Arrange the steps in an order that makes sense.
5. **Match the following with the file type. /5**

|  |  |
| --- | --- |
| 1. Text
 | 1. Moving pictures with sound captured with a camcorder
 |
| 1. Audio
 | 1. Apps and programs that we play and allow us to have fun
 |
| 1. Video
 | 1. Music, sound or voice stored on the computer
 |
| 1. Game
 | 1. Photographs, pictures and drawings
 |
| 1. Image
 | 1. A combination of letters and numbers
 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  |  |  |  |
| **E** | **C** | **A** | **B** | **D** |

1. **State whether the statement is true or false. /4**

|  |  |
| --- | --- |
| Image and video files are the same.  | F |
| A text file does not contain any numbers.  | F |
| A computer-controlled device can be found at a supermarket.  | T |
| The Internet of Things is a place on the internet to purchase things.  | F |
| Robots in a factory can build items.  | T |

1. **Answer the following questions: /6**
2. How can we describe the difference between characters with **code** and **static objects** in a program, and why might it be useful to include both in our programs?

\_ It is useful to include both in our programs to make story. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. How are files **organized** on a computer's hard drive? Why is it important for files to have different **names** and be **stored** in folders?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Name any **four** types of files you might find on a computer.

|  |  |
| --- | --- |
| 1) | 2) |
| 3) | 4) |

****

1. Smart devices can be found in the home, school or in industries.

Name any **four** **smart devices**:

|  |  |
| --- | --- |
| 1) | 2) |
| 3) | 4) |



1. List three **computer-controlled devices**.
2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. Identify three roles of **robots in the factory**.
5. Robot handle material
6. Robot build things
7. Robot Inspect