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

plain text original ciphertext

ciphers unreadable pictures

1. Information on a network can be kept safe by using ciphers.
2. A cipher is a set of instructions or rules. It is used to turn plain text into ciphertext.
3. Plain text is the original message. It is normally made up of letters or

numbers.

1. Ciphertext can be made up of letters, numbers or pictures.
2. Ciphertext is unreadable to anyone who does not know the cipher.
3. **Match the following. /5**

|  |  |
| --- | --- |
| 1. **Codes**
 | 1. any set of letters, words or numbers that anyone can understand
 |
| 1. **plain text**
 | 1. text that only people with the cipher can understand
 |
| 1. **ciphertext**
 | 1. a set of rules to convert plain text to ciphertext
 |
| 1. **cipher**
 | 1. It is the flip text cipher.
 |
| 1. **A simple cipher**
 | 1. can be formed by replacing the letters in a word, or words in a sentence, with different letters, words or symbols.
 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  |  |  |  |
| **e** | **a** | **b** | **c** | **d** |

1. **State whether the statement is true or false. /6**

|  |  |
| --- | --- |
| Lots of personal information travels over the internet.  | True |
| Information sent over the internet is totally safe.  | False |
| Information sent across a network can be accessed by people who do not have permission.  | True |
| Ciphers can be used to keep information secret.  | True |
| A cipher is a set of instructions to turn plain text into ciphertext.  | True |
| Ciphertext has to be turned back to plain text to be understood.  | True |

Any information sent over a network might be seen by other people. State any two information that should not be seen by strangers:

1. Home address
2. Birthday
3. Bank account

People use networks every day. Mention any two things where we use networks:

1. send emails
2. send messages
3. access files
4. buy things using the World Wide Web.