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School

I. Choose the words from bank.

| unreadable | original | ciphers | ciphertext | pictures |

1) Information on a network can be kept safe by using _____.

2) A cipher is a set of instructions or rules. It is used to turn plain text into_____.

3) Plain text is the _____ message. It is normally made up of letters or numbers.

4) Ciphertext can be made up of letters, numbers or _____.

5) Ciphertext is _____to anyone who does not know the cipher.

II. Match the following.

6) Codes	a) any set of letters, words or numbers that anyone can understand
7) plain text	b) text that only people with the cipher can understand
8) ciphertext	c) a set of rules to convert plain text to ciphertext
9) cipher	d) It is the flip text cipher.
10) A simple cipher	e) can be formed by replacing the letters in a word, or words in a sentence, with different letters, words or symbols.

6)	7)	8)	9)	10)

III. State whether the statement is true or false.

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

I. Complete the given paragraph by choosing the words from bank.

Algorithms	Edit	smaller	sub-tasks	Instruction

Many tasks can be broken into smaller sections called _____.

Each sub-task is easier to follow and edit. We can _____ each sub-task without affecting the other sub-task. Dividing the task into

_____sections makes the algorithm easier to understand and

follow. It is also easier to edit _____. Programs, just like

_____, can be divided into smaller sections to make them easier
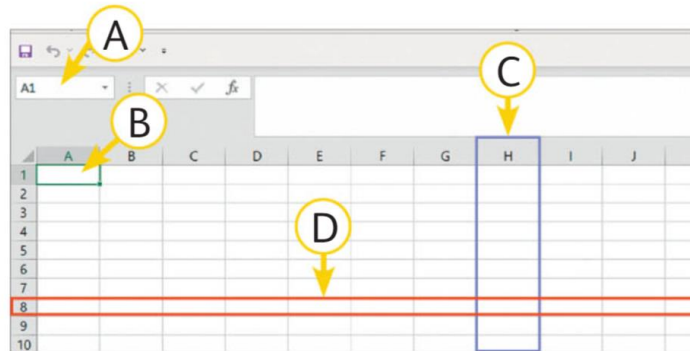
to follow and to edit.

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Date: _____

III. Answer the following questions:

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

_____

_____

2) People use networks every day. Mention any two thing where we use networks:

_____

_____

Match the words with the parts of the spreadsheet.

row   active cell   column   name box

A: _____   B: _____

C: _____   D: _____

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3) What part of the spreadsheet shows the cell address?

a) Column

b) Row

c) Name Box

What is the cell address of the black cell?   _____

	A	B	C	D	E
1					
2					
3					
4			■		
5					
6					
7					
8					

4) Data can be formatted into different ways. Mention any two ways of formatting data:

a) _____

b) _____

5) Define the following.

1) Format: _____

2) Range: _____

6) Why do we test the program?

_____

_____

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5) Define the following terms:

Input: _____

Output: _____

Algorithm: _____

Debugging: _____

6) Identify Input and Output in the given algorithm. Shade Input with pink and

output with blue color.

Algorithm for making pancakes	
Step	Instruction
❶	Start
❷	Gather the ingredients: milk, egg, oil, flour, salt, baking powder, sugar
❸	Mix dry ingredients together in a bowl
❹	Mix wet ingredients together in another bowl
❺	Combine wet and dry ingredients
❻	Cook in a hot pan
❼	Serve pancakes on a plate
❽	Stop