

Year 7

Autumn Assessment 2025

Computing

Time limit: 40 mins

No of Questions: 23

Total Marks: 30

Questions

1) Select **TWO** items that you should NOT include in a password (2 marks):

	A) Random words
X	B) Pet names
X	C) Names of family members
	D) Symbols

2) How many random words make up the perfect password? Select **ONE** (1 marks)

X	A) Three
	B) One
	C) Two

3) What are the top **SIX** letters on the keyboard? Clue: Q_____

- QWERTY

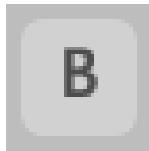
4) Select **TWO** benefits of using Cloud Storage (2 marks)

X	A) Allows you to access your data from any device
	B) Only works on a cloudy day
X	C) Can be used to back up your data
	D) Can be expensive to run

5) Select **TWO** drawbacks of using Cloud Storage: Tick **TWO** (2 marks)

	A) Does not work on a sunny day
	B) Can't upload video files
X	C) Requires an Internet connection
X	D) Difficult to move to another provider

6) What does the following button do to text in a Word document?



Multiple choice options: Tick **ONE** (1 mark)

	A) Makes all text capitals
X	B) Makes the text bold
	C) Bookmarks the text for future reference

7) What does the following button do to text in a Word document?



Multiple choice options: Tick **ONE** (1 mark)

	A) Makes the text italic
	B) Makes the text highlighted
X	C) Makes the text underlined

8) What does the E in the term E-Mail stand for? Tick **ONE** (1 mark)

	A) Elephant
X	B) Electronic
	C) Euphoric

9) In what year did Ray Tomlinson invent E-Mail? Tick **ONE** (1 mark)

	A) 1996 - 1997
	B) 1967 - 1968
X	C) 1971 - 1972

10) Rachel is about to send an email to her teacher about her homework, which of the following greetings would be suitable to use? Tick **ONE** (1 mark)

	A) Hiya
	B) Yo!
X	C) Hello Sir/Miss

11) Amin has received an email with an attachment from a sender who he doesn't know. Amin wants to open the attachment, what should Amin do? Tick **ONE** (1 mark)

	A) Download and open the attachment
	B) Reply to the email and ask for more files
X	C) Ignore the attachment and delete the email

12) Match the keywords to the definitions. Draw a line between each keyword and its definition. (3 marks)

Abstraction

Breaking a problem down into smaller, more manageable tasks

Decomposition

Being able to spot similarities in data to help solve problems.

Pattern Recognition

Removing unnecessary information and only focusing on the important facts

13) What is the name for a single 1 or 0 in Binary? Clue, begins with "b" (1 mark)

- bit

14) How many bits are there in a Nibble? Tick **ONE** (1 mark)

X	A) 4
	B) 8
	C) 16

15) What is the name for a collection of 8 bits? Tick **ONE** (1 mark)

	A) Nibble
	B) Megabyte
X	C) Byte

16) Convert the following 4-bit Binary value into Denary (1 mark)

8	4	2	1
0	1	0	1

Answer: 5

17) Convert the Denary number **13** into a 4-bit Binary value (2 marks)

8	4	2	1
1	1	0	1

18) What is the largest number that can be made using a 4-bit Binary value? (1 mark)

	A) 255
X	B) 15
	C) 67

19) Convert the following 8-bit Binary value into Denary (1 mark)

128	64	32	16	8	4	2	1
0	0	1	0	0	1	0	1

Answer: 37

20) Convert the Denary number **102** into an 8-bit Binary value (2 marks)

128	64	32	16	8	4	2	1
0	1	1	0	0	1	1	0

21) What is the largest number that can be made using an 8-bit Binary value? (1 mark)

<input checked="" type="checkbox"/>	A) 255
	B) 15
	C) 67

22) Complete the following 4-bit Binary Addition (2 marks)

	0	1	1	0	
	1	1	0	1	+
1	0	0	1	1	Sum
	1				Carry

- One mark for correct **answer** on sum line
- One mark for correctly using **carry line** and **overflow bit**

23) An overflow error has occurred in the previous question; do we ignore the overflow bit?

Tick **ONE** (1 mark)

<input checked="" type="checkbox"/>	A) Yes
	B) No