Year 7

Term 3 Assessment

Computing

Time limit: 50 mins

No of Questions: 23

Total Marks: 36

Questions

1) What information could be used to make a GOOD password? (2 marks):

X	A) Random words
	B) Pet names
	C) Names of family members
X	D) Mix of Letters, Numbers & Symbols

2) **True** or **False:** Cyberbullying is when someone uses technology to harass, threaten, embarrass or target another person. (Tick ONE box) (1 marks)

X	True
	False

3) Tick **ONE** box on each row, to identify if Cyberbullying can happen on the device. (4 marks)

Device Name	Yes	No
Smartphone	X	
Tablet	X	
Games Console	X	
Toaster		X

4) Identify **TWO** Online Safety risks (2 marks)
   • Scams
   • Identity Theft
   • Cyberbullying
   • Inappropriate Content
   (Accept any suitable example)

5) Bilal has received an email from his Mobile Phone provider asking him to update his security details using a link provided. Tick YES or NO to advise Bilal on what actions to take. (3 marks)

Actions	Yes	No
Click on the link within the email		X
Contact mobile provider to check	X	
Reply to email with his security details		X

6) What is the difference between Email and Instant Messaging? (2 marks)

• Instant Messaging is used for immediate direct communication
• IM is designed to be informal
• IM is used for short messages
• IM is used for communication with friends and family
• Email is used for more formal communication
• Email is used for communication with businesses / not friends
• Email is able to send files as attachments

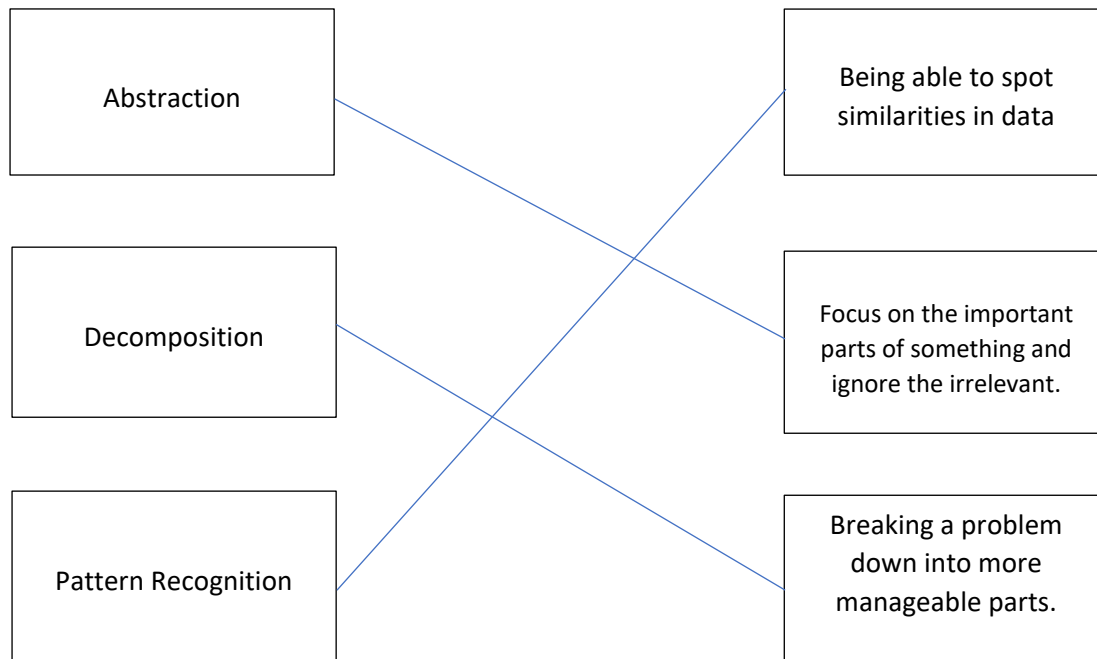7) What symbol is used in the middle of an email address? (1 mark)

Answer: _____@_____

8) Name **TWO** key elements to Computational Thinking (2 marks)

• Abstraction
• Decomposition
• Pattern recognition
• Algorithms

9) What word is used to describe a sequence of instructions that a computer must perform to solve a problem? (1 mark)

Answer: **Algorithm**

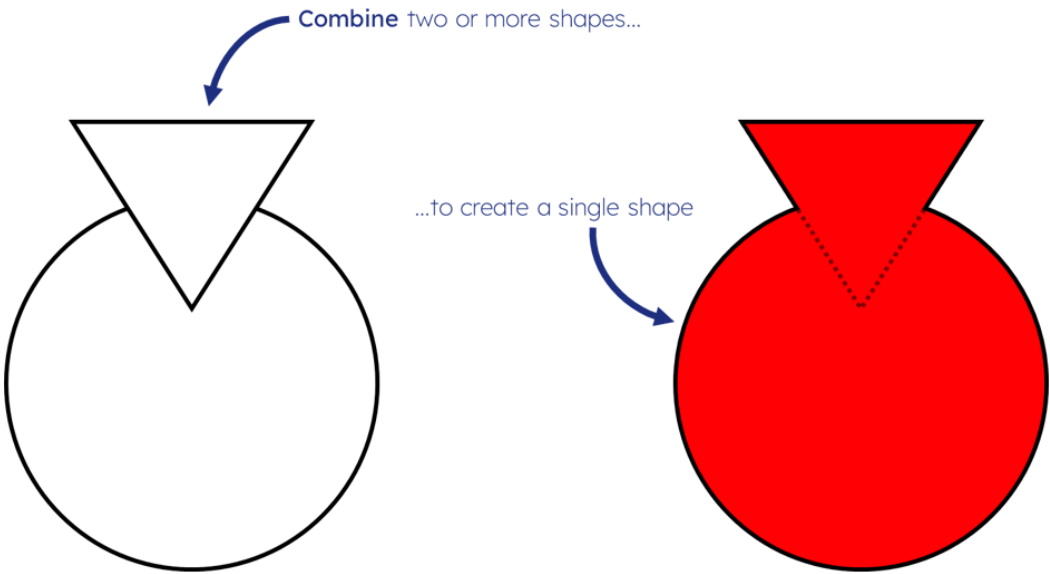10) Match the definition to the key term (3 marks)

Key Term	Definition
Abstraction	Being able to spot similarities in data
Decomposition	Focus on the important parts of something and ignore the irrelevant.
Pattern Recognition	Breaking a problem down into more manageable parts.

Matching lines:
- Abstraction → Focus on the important parts of something and ignore the irrelevant.
- Decomposition → Breaking a problem down into more manageable parts.
- Pattern Recognition → Being able to spot similarities in data

11) What does the word "mono" mean? Tick **ONE** (1 mark)

X	A) One
	B) Two
	C) Three

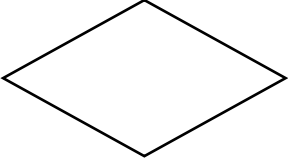12) How are Vector images created? Tick **ONE** (1 mark)

X	A) Created by describing the image in terms of lines, curves, and simple shapes
	B) Created by using pixels, each pixel is set to one single colour
	C) Created by using hexadecimal codes to define a collection of Pixels

13) What is the name of the tool that joins two shapes together to make one shape? Tick **ONE** (1 mark)

Combine two or more shapes...

...to create a single shape

	A) Separator Tool
X	B) Union Tool
	C) Cut Tool

14) Which of the following shapes is used for an Input / Output in a Flowchart? Tick **ONE** (1 mark)

X	A)
	B)
	C)

15) Which of the following pieces of data is an **Integer**? Tick **ONE** (1 mark)

	A) 3.14
	B) "Hello"
X	C) 12

16) Which of the following pieces of data is a **String**? Tick **ONE** (1 mark)

	A) 9.68
X	B) "Hello"
	C) 42

17) What does CPU stand for? (1 mark)

Central **Processing** Unit

18) An Input device has one purpose—to get information into a computer. Give **ONE** example of an Input device: (1 mark)

Keyboard, Mouse, Touchscreen, Microphone, Game-Controller, Keypad, Accept any suitable example.

19) Tick **ONE** box on each row, to identify if the storage device is Magnetic, Optical or Solid State (3 marks)

Storage Device	Magnetic	Optical	Solid State
Hard Disk Drive	X		
DVD-ROM		X	
SD Memory Card			X

20) What is the name of this piece of computer hardware? (1 mark)

Answer: **RAM (Memory)**

21) A type of Primary memory is RAM, what does RAM stand for? (1 mark)

Random Access **Memory**

22) RAM is Volatile memory, what would happen to the data stored in the RAM when the computer is switched off? (1 mark)

The data will be lost / Wiped / Cleared

23) What is the name of the main circuit board found in a computer which, connects all the components together, so they can communicate (1 mark)

Answer: **Motherboard, Logicboard, Mainboard**