

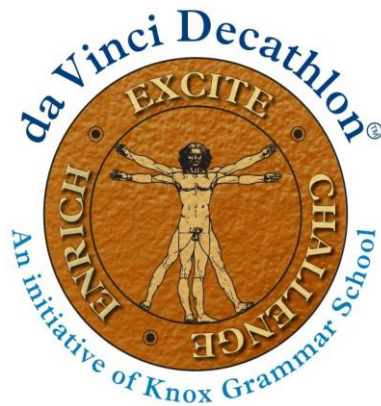


KNOX  
GRAMMAR  
SCHOOL

REGIONAL

# DA VINCI DECATHLON 2023

CELEBRATING THE ACADEMIC GIFTS OF STUDENTS  
IN YEARS 9 & 10



## CARTOGRAPHY

TEAM NUMBER \_\_\_\_\_

1	2	3	Total	Rank
/20	/20	/20	/60	

Complete the above table with question numbers and marks as required.

# QUESTION ONE

## MAPPING CHAOS AND CONFLICT

### PART A

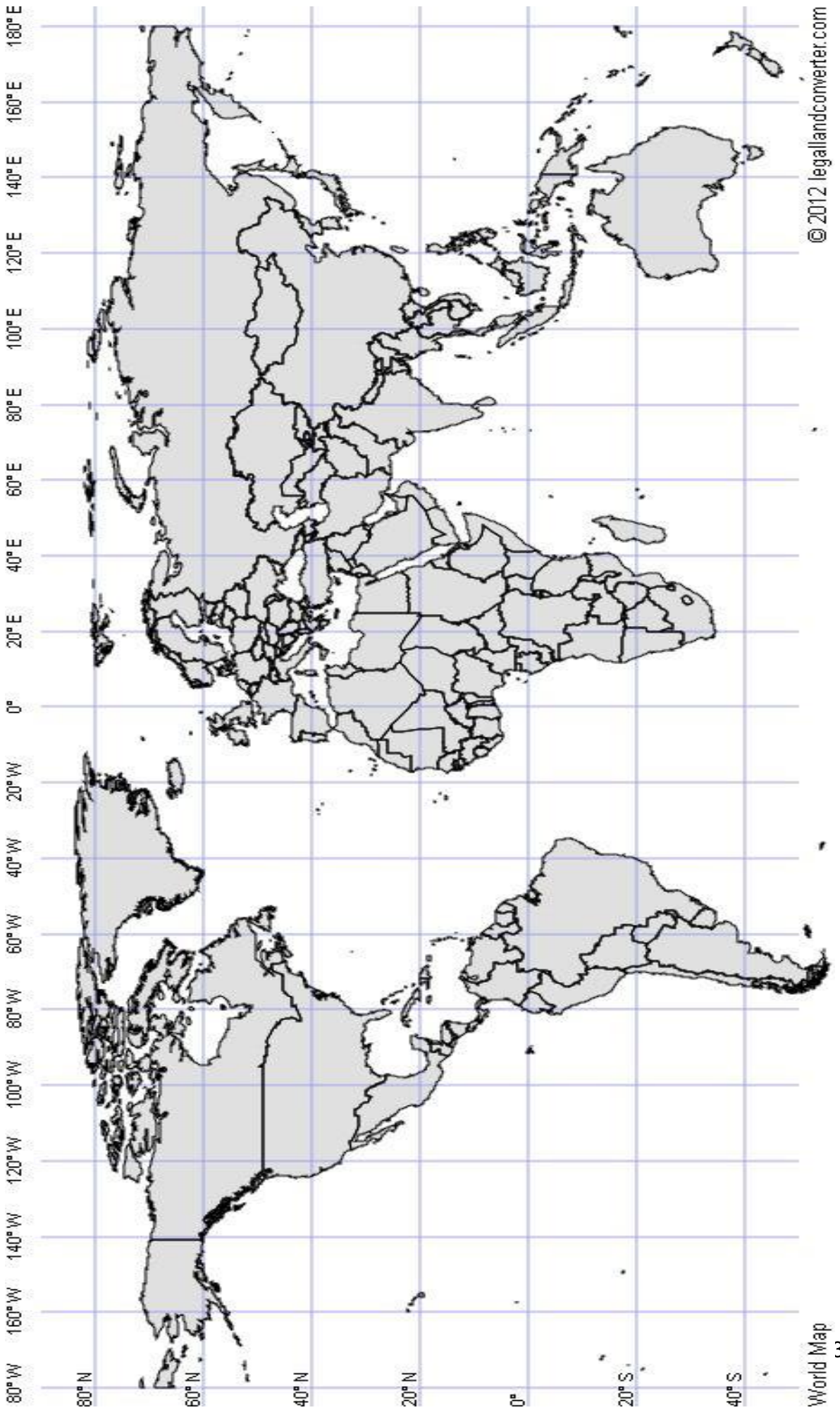
(10 MARKS)

Little is as chaotic as war. Nothing is certain, casualties occur in an instant and lines on maps are constantly being redrawn. Yet militaries around the world use maps and cartography to bring order to that chaos in their pursuit of survival.

In the last few centuries, conflicts over borders have been immense and inflicted deaths numbering in the hundreds of millions. Locate, with latitude and longitude, the locations of famous battles and conflicts using the map provided to assist.

(1 mark for each correct answer)

BATTLE/CONFLICT	COORDINATES
Battle of Kyiv	
Battle of Passchendaele	
Attack on Pearl Harbour	
Battle of Stalingrad	
Marco Polo Bridge Incident	
Capture of Kabul	
Falklands War	
Bay of Pigs Invasion	
Siege of Tobruk	
Siege of Carthage	

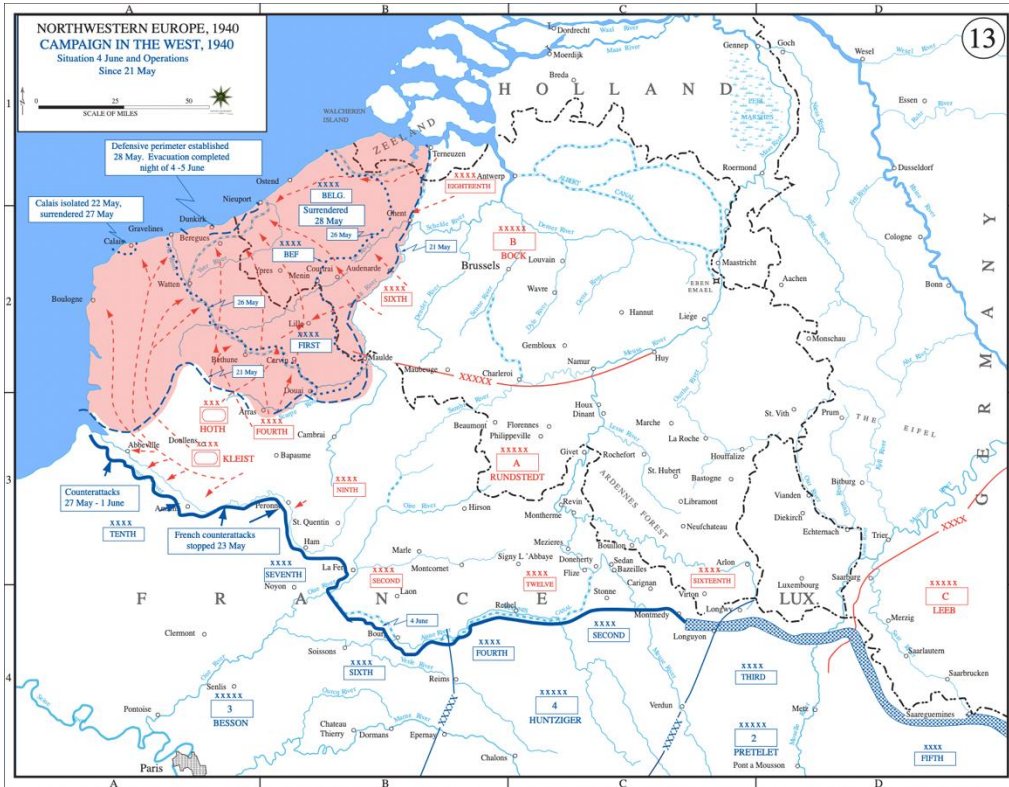


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**PART B**

**(10 MARKS)**

In order to act decisively on the battlefield and bring order to the chaos of war, militaries utilise a variety of maps to operate. Below are several maps representing historical military conflicts. Identify which battle/conflict they belong to and which country they took place in.

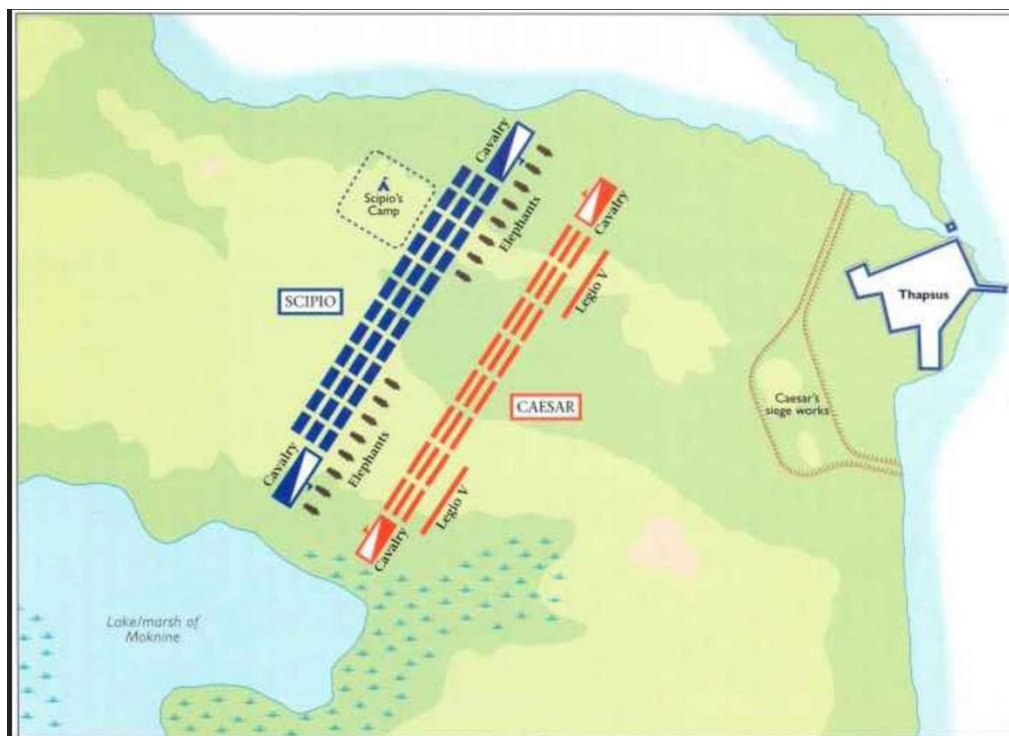


Battle: \_\_\_\_\_

\_\_\_\_\_

Country: \_\_\_\_\_

\_\_\_\_\_



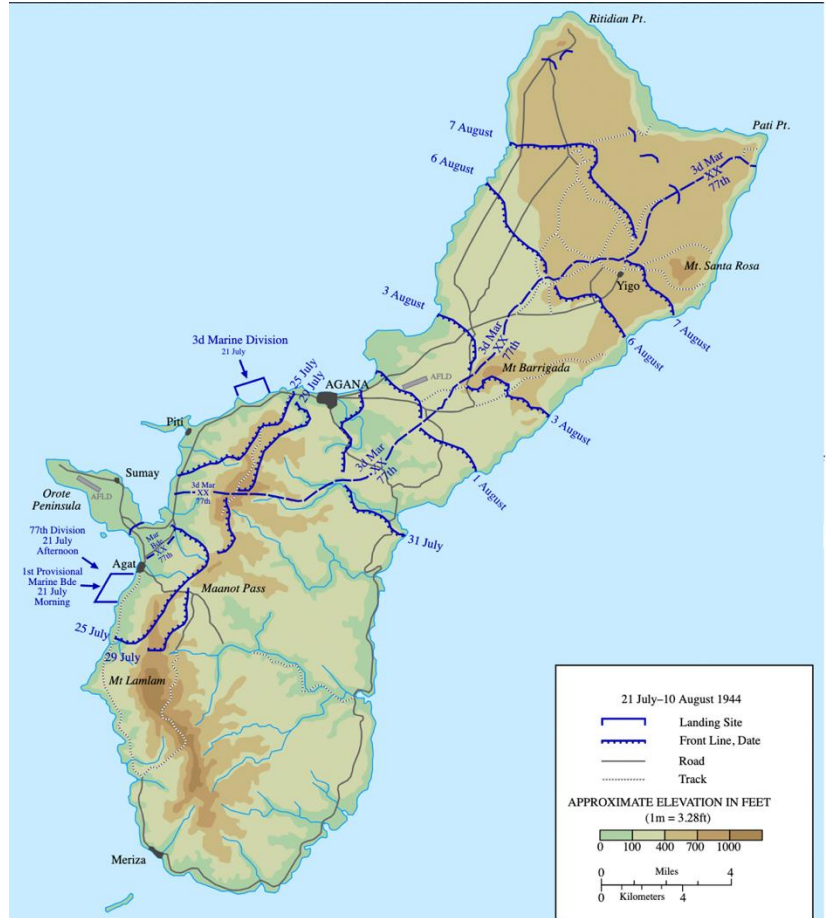
Conflict: \_\_\_\_\_

\_\_\_\_\_

Country: \_\_\_\_\_

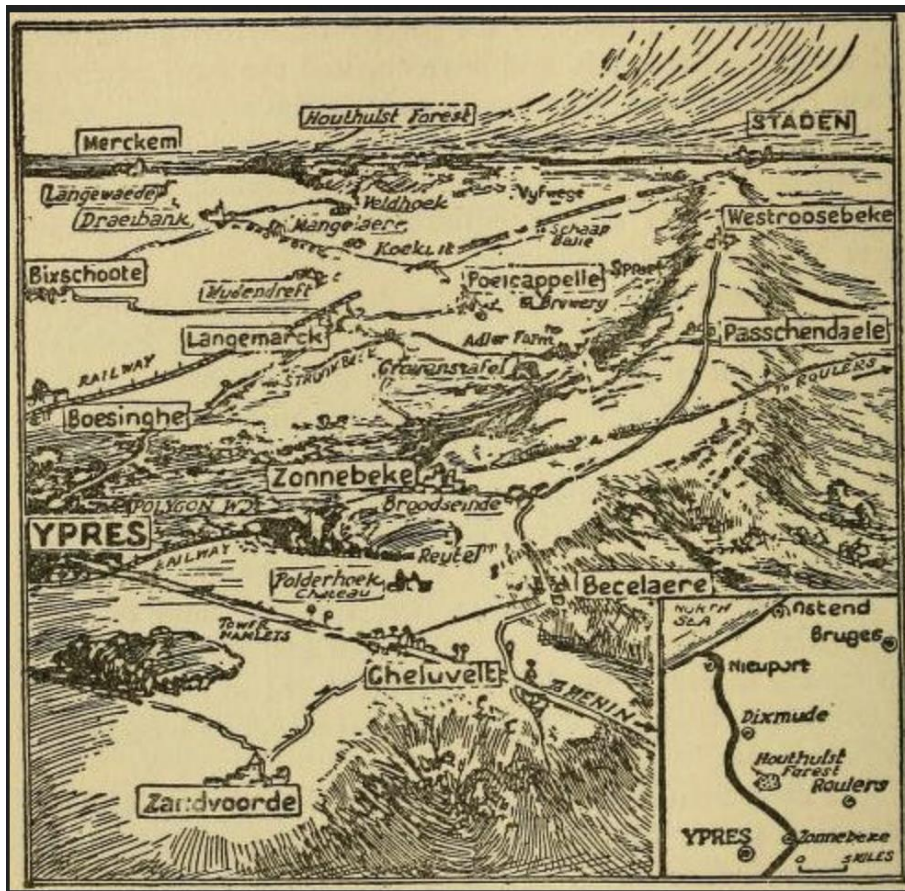
\_\_\_\_\_

Battle: \_\_\_\_\_  
\_\_\_\_\_  
Country: \_\_\_\_\_  
\_\_\_\_\_



Campaign: \_\_\_\_\_  
\_\_\_\_\_  
Country: \_\_\_\_\_  
\_\_\_\_\_





Battle: \_\_\_\_\_

Country: \_\_\_\_\_

# QUESTION TWO

## CHAOTIC MAPS

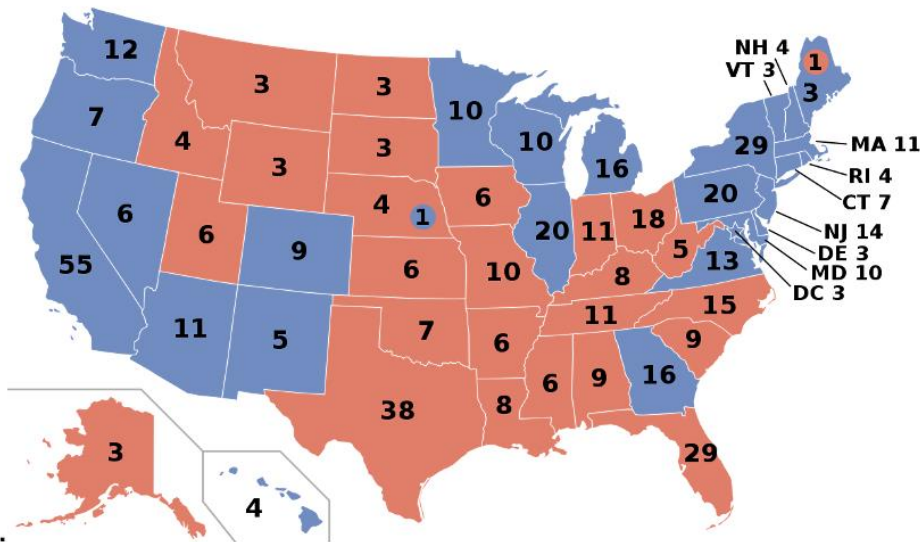
### THE TASK

(20 MARKS)

Many maps appear chaotic at first. In mathematics, a chaotic map is a function that generates a highly arbitrary pattern based on the initial seed value. One common map, the map of world time zones, appears highly chaotic but reveals some logic upon further examination.

Often what appears chaotic is not, it is merely that the pattern is hard to see. It's often much harder when the legend is removed! Analyse the maps below and answer the following question for each.

What does this choropleth map appear to represent? Why? (5 marks per map)



Map 1

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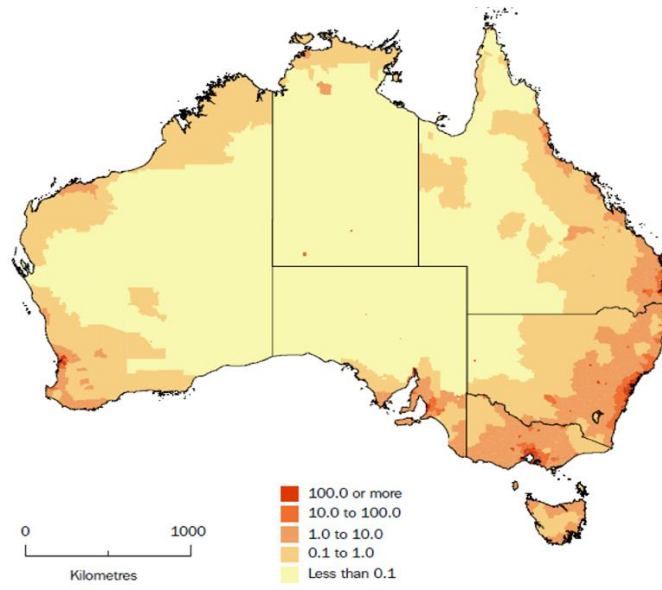
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Map 2

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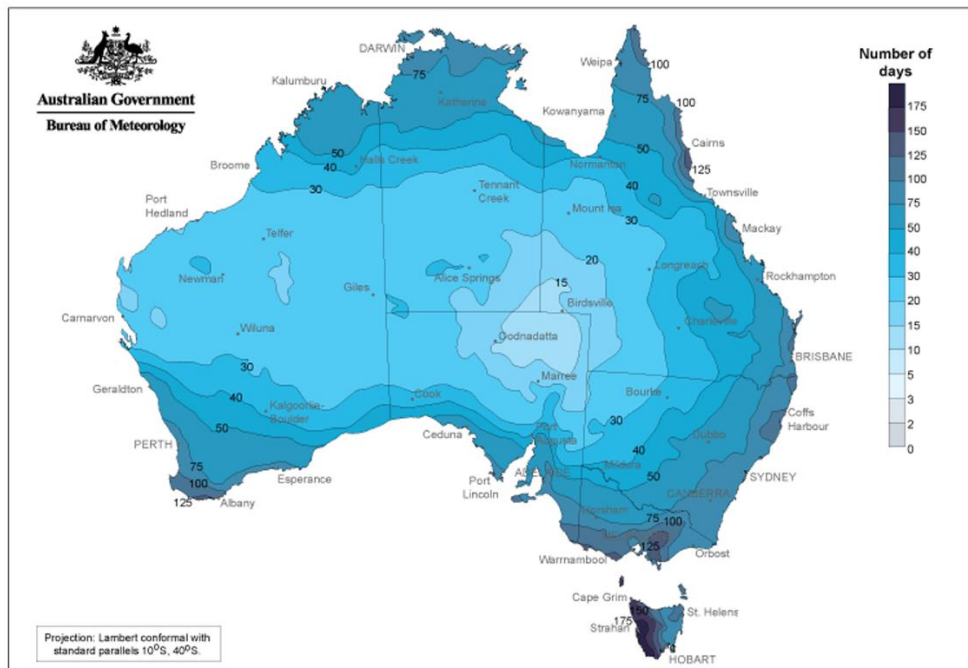
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Map 3

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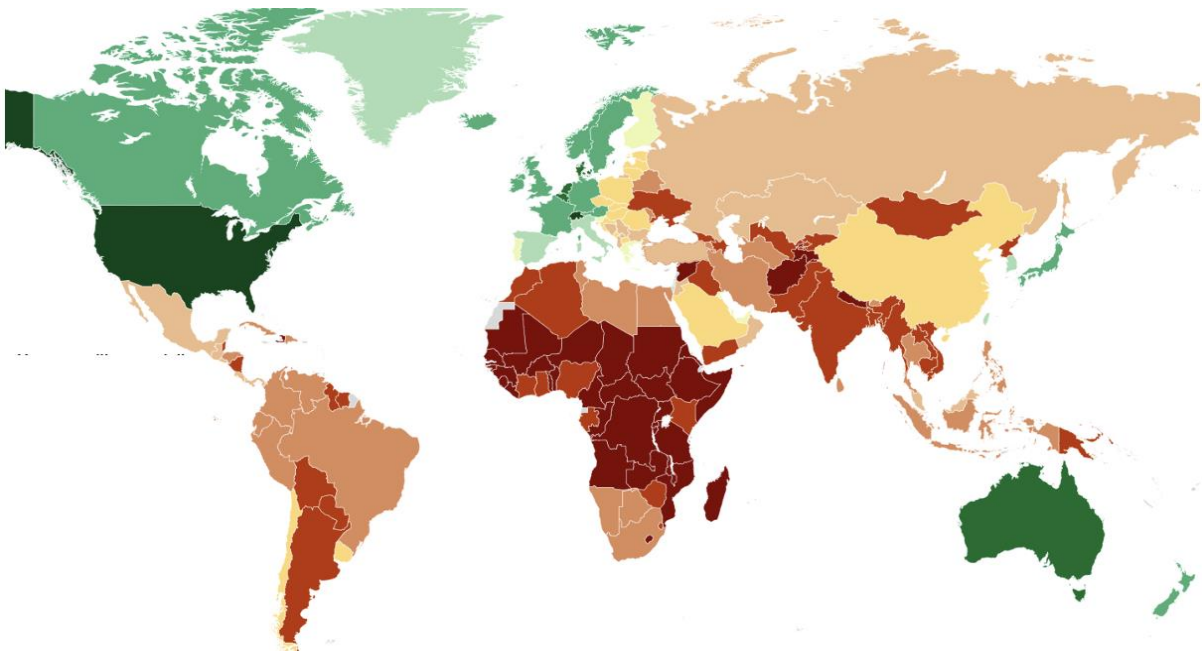
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Map 4

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# QUESTION THREE

## LEONARDO AND THE RENASSAINCE

### PART A

(10 MARKS)

What do you know about Leonardo da Vinci's life and the progression of the Renaissance? Often the confusion of history becomes clearer when we can plot key events on a map and begin to visualise its scale.

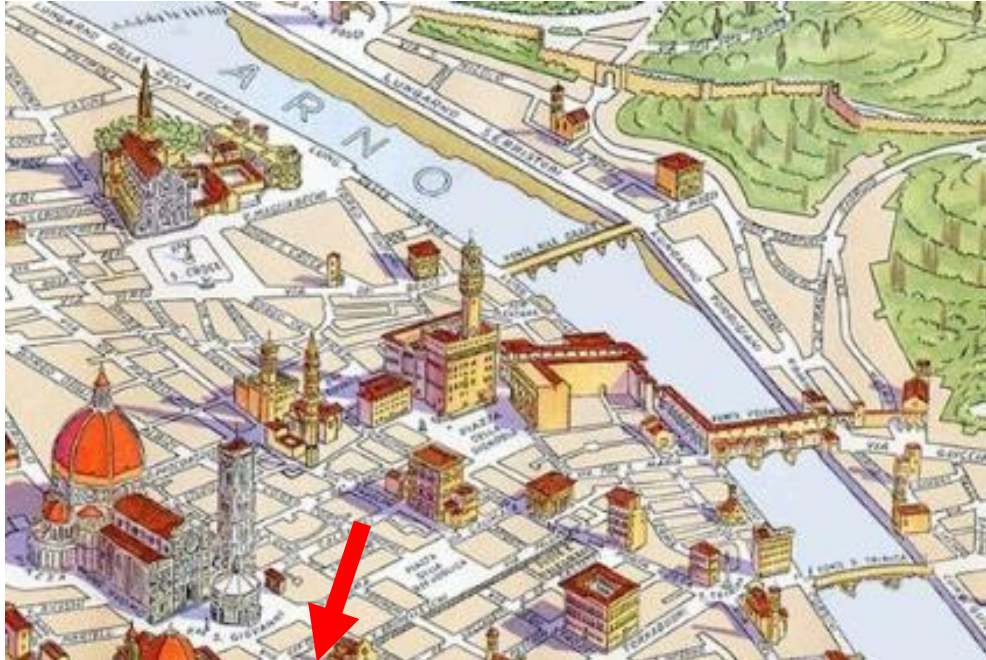
Take the key events listed and plot their locations on the map provided.

EVENTS	
1. Birthplace of Leonardo	6. Henry VIII is born
2. Birthplace of the Renaissance	7. Leonardo moves to Rome
3. Leonardo begins his apprenticeship in Florence	8. Christopher Columbus departs from _____ to the Americas
4. Siege of Orleans	9. Leonardo moves to Amboise
5. Leonardo moves to Milan	10. Martin Luther delivers his theses



## PART B (10 MARKS)

Fundamentally, cartography is about representing the world on a two-dimensional plane. Now it's your turn! You'll notice this location has particular significance to Leonardo. Use the image below to create a map that uses all of the correct conventions and displays the significant features of the image. Make sure it's oriented north!



North

END OF PAPER