IAL: to define scientific vocabulary

Read the following information on this website
https://www.vocabulary.cl/Intermediate/Universe_Space_Exploration.htm and write the
definition for the following words.

asteroid	An asteroid is a combination of rocks and iron that is too small to form a planet.
astronaut	An astronaut is a person who leaves Earth and goes into space. Many of them work in the international space station and do scientific experiments.
comet	A comet is a small body of gas and ice orbiting around the solar system.
constellation	A constellation is a group of bright stars that form shapes or 'pictures' in the sky.
galaxy	The galaxy we live in is called the Milky Way. It is made up of billions of stars.
orbit	An orbit is the path an object in space takes while it moves.
star	A star is made up of clouds of gas and dust.
sun	The sun is the star in the middle of our solar system.

Test your knowledge of space vocabulary using this online game:
https://www.vocabulary.cl/english-games/universe-space.htm

IAL: to compare weather and climate in Rugby and the Amazon rainforest.

Look at this map of the Amazon rainforest.

In which continent would you find the Amazon rainforest?

South America.

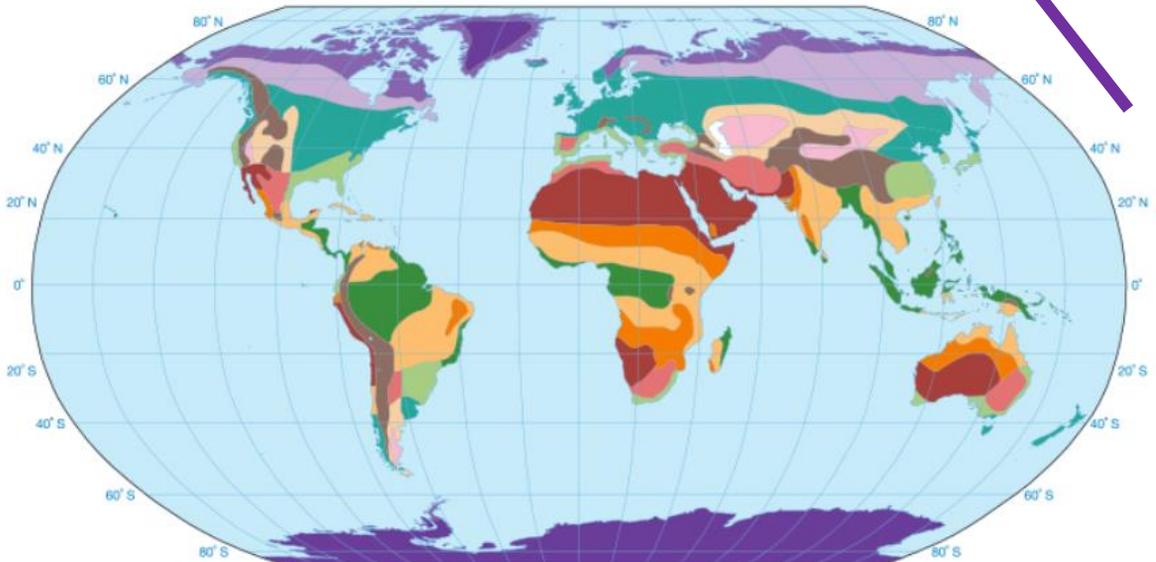How many countries does the Amazon rainforest cover?

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More information about the Amazon rainforest climate can be found here: https://amazonrainforestjpm.weebly.com/climate-in-the-amazon.html

Look at this climate map.

WORLD CLIMATE REGIONS

Tropical climates	Subtropical climates	Temperate climates	Polar climates	Highland climates
Rainforest	Humid Subtropical	Temperate	Polar Tundra	Highland (varies with altitude)
Grasslands	Desert	Subarctic	Polar Ice Cap	
Semiarid		Grasslands		
Desert		Desert		

How does the climate of the Amazon rainforest compare to the climate found in the UK?

The climate in the Amazon rainforest if tropical whereas the climate in the UK is temperate.
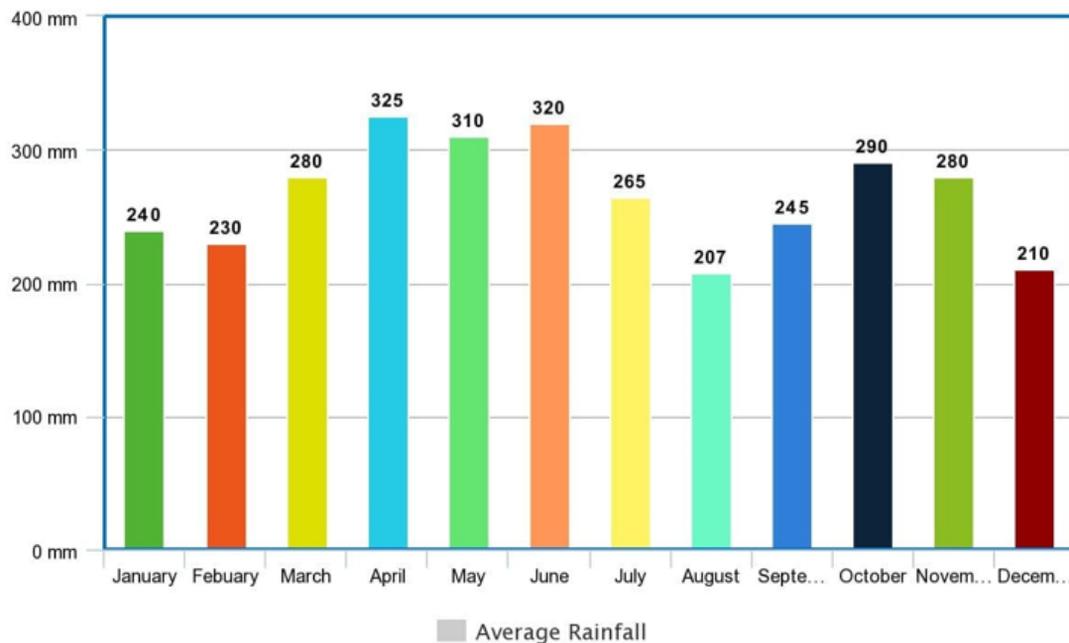
Below is the Met Office climate station data for Rugby and the average monthly rainfall in the Amazon rainforest. Answer the following questions to compare the rainfall in Rugby and the Amazon rainforest.

Rugby met office climate station

Month	Maximum temperature (°C)	Minimum temperature (°C)	Days of air frost (days)	Sunshine (hours)	Rainfall (mm)	Days of rainfall ≥1 mm (days)	Monthly mean wind speed at 10 m (knots)
January	6.8	1.2	10.7	–	56.4	11.5	7.4
February	7.1	0.9	11.2	–	40	9.5	7.5
March	10.1	2.7	6.3	–	44.7	11.2	7.6
April	12.9	4	3.6	–	49.7	10.1	6.6
May	16.3	6.7	0.4	–	57.5	9.5	6.3
June	19.4	9.7	0	–	55.6	9.2	5.5
July	22.2	11.8	0	–	60	8.4	5.3
August	21.6	11.7	0	–	62	9.1	5.5
September	18.3	9.8	0	–	65.3	9.5	5.6
October	14.1	7.1	1.5	–	66.8	10.6	5.7
November	9.7	3.8	5.2	–	60.2	11.1	6.2
December	6.9	1.5	10.7	–	56.7	11.6	6.6
Annual	13.8	5.9	49.6	–	674.8	121.3	6.3

Amazon rainforest monthly rainfall

Average Rainfall by Month

Which month had the greatest rainfall in Rugby?

October.

Which month had the greatest rainfall in the Amazon rainforest?

April.

What is the difference in Rugby's rainfall between the driest month and the wettest month?

26.8mm

What is the difference in the Amazon rainforest's rainfall between the driest month and the wettest month?

118mm

Write two of your own interpretations to compare the rainfall between Rugby and the Amazon rainforest.

EG: The difference in rainfall between the Amazon rainforest and Rugby in July was 205mm.

IAL: about the Mayan civilization.

Who were the Mayans?

The **Maya civilization** were people who lived in Central America around 4,000 years ago. They lived there for a long time and some of the Maya people live there even today. They were around when the Vikings started raiding Anglo-Saxon England!

The Maya civilization lived in three different areas: the southern Maya highlands, the central lowlands, and the northern lowlands. They had many different types of land, including mountains and dry plains. People living in the low plains by the sea were affected by hurricanes and tropical storms from the Caribbean.

The area where the Mayan people lived covered southern Mexican states as well as Guatemala, Belize, El Salvador and western Honduras.

The ancient Maya people were a very developed civilisation for their time.

They were deeply religious people who valued intelligence and learning. This could explain why they developed so many different things!

They developed their own number and writing system; built impressive temples, palaces, monuments and cities; studied and charted the stars and planets; created three calendars to keep track of times; had their own political system and skilfully farmed the land.

Using the video and the text that you have just read, write some key notes about the Mayan civilization.

You may want to include:

• who the Mayan people were
• where they lived
• their achievements

Over the next few weeks we will be looking at the Maya achievements in more detail.

The Maya civilization lived in three different areas.

They were people who lived in Central America around 4,000 years ago.

They developed their own number and writing system.

Maya Civilisation

They created three calendars.

They skilfully farmed the land.

They built impressive temples, palaces, monuments and cities.

The three different areas where the Mayan people lived were the southern Maya highlands, the central lowlands, and the northern lowlands.

They charted the stars and planets.

They had their own political system.