

# South American Geography and Math Statistics

Pre-Algebra And Geography · Answer Key · 15 Questions

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**1. The Andes mountain range stretches approximately 7,000 kilometers. If a surveyor maps 12.5% of the range, what is the length mapped in kilometers?**

- A) 875 km**
- B) 750 km
- C) 925 km
- D) 800 km

**2. Brazil covers approximately 8,515,767 square kilometers. If land area increases by 0.00001% due to tectonic shifts, what is the increase in square kilometers?**

- A) 8.515767 sq km
- B) 0.8515767 sq km
- C) 0.08515767 sq km**
- D) 85.15767 sq km

**3. The Atacama Desert receives an average of 15 millimeters of rain per year. If a city in the region receives 1/5th of this amount, how many millimeters of rain does it receive?**

- A) 2.5 mm
- B) 3.5 mm
- C) 3.0 mm**
- D) 4.0 mm

**4. Lake Titicaca is situated at 3,812 meters above sea level. If a nearby mountain peak is 1.5 times the elevation of the lake, what is the peak's elevation?**

- A) 5,718 meters**
- B) 5,618 meters
- C) 5,818 meters
- D) 5,918 meters

**5. The Amazon River flows at an average rate of 209,000 cubic meters per second. What is this figure expressed in scientific notation?**

- A)  $2.09 \times 10^4$
- B)  $2.09 \times 10^5$**
- C)  $20.9 \times 10^4$
- D)  $0.209 \times 10^6$

6. Argentina's population is approximately 46 million. If the urban population represents 92% of the total, how many million people live in urban areas?

- A) 42.12 million
- B) 42.32 million
- C) 41.82 million
- D) 42.52 million

7. Angel Falls has a total height of 979 meters. If the longest uninterrupted drop is 807 meters, what percentage of the total height is the uninterrupted drop (rounded to the nearest percent)?

- A) 81%
- B) 83%
- C) 85%
- D) 87%

8. Chile's coastline spans roughly 4,270 km. If a shipping lane covers  $\frac{3}{8}$  of the coastline, how many kilometers long is the lane?

- A) 1,501.25 km
- B) 1,601.25 km
- C) 1,701.25 km
- D) 1,801.25 km

9. The surface area of Colombia is 1,141,748 square kilometers. If 10% is water, how many square kilometers is land?

- A) 1,027,573.2 sq km
- B) 1,028,573.2 sq km
- C) 1,017,573.2 sq km
- D) 1,037,573.2 sq km

10. The equator crosses Ecuador. If a line is drawn at 0 degrees latitude and another at 2.5 degrees South, and 1 degree equals 111 km, what is the distance between them?

- A) 222 km
- B) 277.5 km
- C) 333 km
- D) 250 km

11. Peru produces approximately 2,800 metric tons of gold annually. If the output decreases by 15% due to environmental regulations, what is the new annual output?

- A) 2,380 tons
- B) 2,420 tons
- C) 2,350 tons
- D) 2,450 tons

12. Bolivia has two capital cities, Sucre and La Paz. If the population of La Paz is 800,000 and Sucre is 300,000, what is the ratio of La Paz to Sucre in simplest form?

A) 5:2

**B) 8:3**

C) 7:3

D) 3:1

13. Paraguay's population density is 15 people per square kilometer. If the country's land area is 406,752 square kilometers, what is the total population?

**A) 6,101,280**

B) 6,001,280

C) 6,201,280

D) 5,901,280

14. Uruguay's area is 176,215 square kilometers. If the area of neighboring districts accounts for  $\frac{1}{25}$  of this total, what is the area of those districts?

**A) 7,048.6 sq km**

B) 7,148.6 sq km

C) 6,948.6 sq km

D) 7,248.6 sq km

15. Venezuela has oil reserves estimated at 303 billion barrels. If 4% of these reserves are extracted annually, how many billion barrels are extracted in one year?

A) 11.12 billion

**B) 12.12 billion**

C) 13.12 billion

D) 14.12 billion