



Practice Worksheet on Climate Data Analysis

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Subject: Environmental Science

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Long Answer Questions

1. What was the average monthly rainfall in April 2011, based on the provided data?
2. Based on the table, what was the average monthly rainfall during June 2012?
3. According to the chart, what was the average rainfall in May 2013?
4. Calculate the average monthly rainfall in December across the three years (2011-2013).
5. Which month and year experienced the greatest average monthly rainfall, and what was its value?
6. Analyze the trend in average rainfall for March from 2011 to 2013.
7. Describe the overall pattern of rainfall throughout the year, based on the data in the table.

8. Analyze the rainfall pattern in September across the years shown in the data table.

Multiple Choice Questions

1. What was the average rainfall in April 2011?

- a) 10 mm
- b) 19.5 mm
- c) 20.3 mm
- d) 12.4 mm

2. Which month recorded the highest average rainfall in 2012?

- a) February
- b) August
- c) March
- d) December

3. How did the average rainfall in March change from 2011 to 2013?

- a) Decreased steadily
- b) Fluctuated
- c) Remained constant
- d) Increased steadily

4. In which year did May experience the highest average rainfall?

- a) 2011
- b) 2013
- c) 2012
- d) All years were the same

5. What was the average rainfall in August 2012?

- a) 152.4 mm
- b) 71.4 mm
- c) 43.5 mm
- d) 56.5 mm

6. In which season did December generally receive the least average rainfall?

- a) Summer
- b) Winter
- c) Spring
- d) Autumn

7. What was the average rainfall in May 2013?

- a) 100 mm
- b) 46.3 mm
- c) 35.5 mm
- d) 28.4 mm

8. Describe the overall trend of rainfall in September across the three years.

- a) Constant increase
- b) Constant decrease
- c) Irregular fluctuation
- d) No change

Answer Key

Long Answer Questions - Expected Responses

1. What was the average monthly rainfall in April 2011, based on the provided data?

Expected Answer: The average monthly rainfall in April 2011 was 19.5 mm.

2. Based on the table, what was the average monthly rainfall during June 2012?

Expected Answer: The average monthly rainfall in June 2012 was 71.4 mm.

3. According to the chart, what was the average rainfall in May 2013?

Expected Answer: In 2013, the average monthly rainfall in May was 46.3 mm.

4. Calculate the average monthly rainfall in December across the three years (2011-2013).

Expected Answer: The average rainfall in December across the three years was 17.2 mm.

5. Which month and year experienced the greatest average monthly rainfall, and what was its value?

Expected Answer: The greatest amount of rainfall occurred in August 2012 with an average of 152.4 mm.

6. Analyze the trend in average rainfall for March from 2011 to 2013.

Expected Answer: Rainfall in March fluctuated, decreasing from 16.5 mm in 2011 to 12.4 mm in 2013.

7. Describe the overall pattern of rainfall throughout the year, based on the data in the table.

Expected Answer: Precipitation patterns vary across the months of the year with higher amounts in the summer months.

8. Analyze the rainfall pattern in September across the years shown in the data table.

Expected Answer: The average monthly rainfall in September shows a significant increase from 8.7 mm in 2011 to 145.2 mm in 2013.

Multiple Choice Questions – Correct Answers

1. What was the average rainfall in April 2011?

Correct Answer: 19.5 mm

2. Which month recorded the highest average rainfall in 2012?

Correct Answer: August

3. How did the average rainfall in March change from 2011 to 2013?

Correct Answer: Fluctuated

4. In which year did May experience the highest average rainfall?

Correct Answer: 2013

5. What was the average rainfall in August 2012?

Correct Answer: 152.4 mm

6. In which season did December generally receive the least average rainfall?

Correct Answer: Winter

7. What was the average rainfall in May 2013?

Correct Answer: 46.3 mm

8. Describe the overall trend of rainfall in September across the three years.

Correct Answer: Irregular fluctuation