Climates Around the World

Grade 3 Science Worksheet - Challenge Me

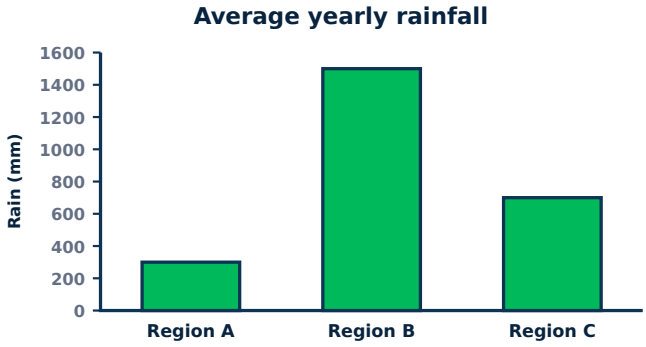
Name _____ Date _____

Circle the answer.

1. Why do rainforests near the equator stay warm and wet all year?
   they are near the North Pole
   they get strong sunlight and steady rain all year
   cold ocean currents flow nearby
   tall mountains shade them

2. A city at sea level averages 75°F in July. A mountain town nearby, much higher up, averages 55°F. What is the most likely cause?
   the mountain town is closer to the equator
   the mountain town gets more daylight
   the city at sea level gets more rain
   the mountain town's higher elevation

3. Use the graph. Which region would most need to save water for crops?



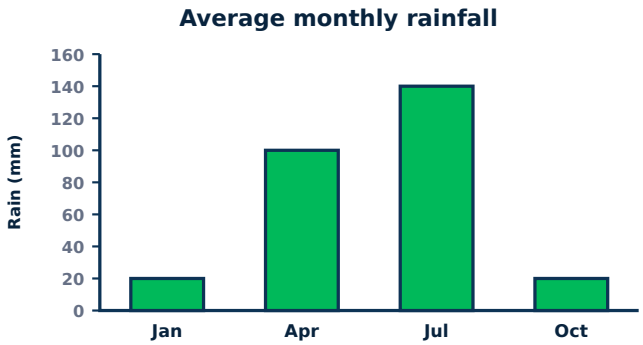
   Region B all three need the same Region A Region C

4. Which question can be answered with climate data, not weather data?
   Is it windy right now?
   Will it snow here tomorrow?
   How hot was it at noon today?
   Is this town usually snowy in January?

5. City X averages 85°F and gets about 250 mm of rain every month. Which climate fits?
   tropical rainforest climate
   grassland climate
   temperate climate
   desert climate

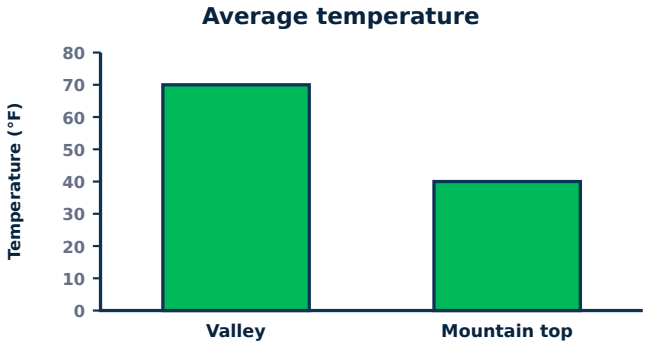
6. Why do farmers in a temperate climate plant crops in spring, not in winter?
   winters are usually too cold for crops to grow
   winter has the most sunlight
   spring has the least rain
   winter soil has the most water

7. Use the rainfall graph. How much more rain falls in July than in January?



100 mm 120 mm 160 mm 140 mm

8. The graph shows average temperatures in a valley and on a nearby mountain top. How many degrees cooler is the mountain top?



40 degrees 110 degrees 30 degrees 70 degrees

9. Two cities are the same distance from the equator. City A is on the coast; City B is far inland. Which data would show which has milder winters?

today's temperature in each city
the number of people in each city
the rain in City A last week
average January temperatures for both over many years

10. A region has a wet season and a dry season and stays warm all year. Which data pattern fits?

temperatures fall below freezing in winter
rain is near zero in every month
rain is high in some months and near zero in others
rain is high in every month

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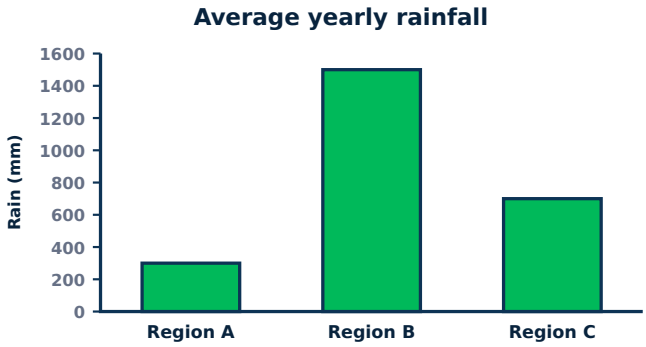
Answer Key - Grade 3 Science Worksheet - Challenge Me

Circle the answer.

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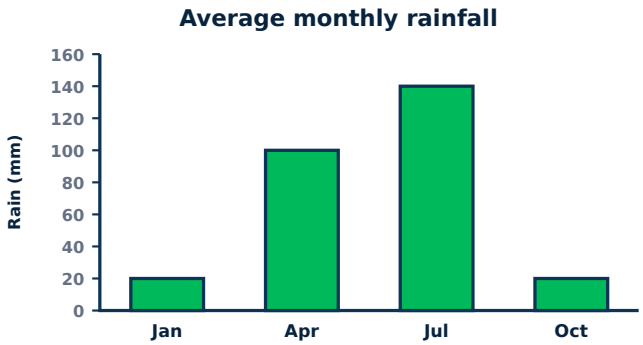
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   - grassland climate
   - temperate climate
   - desert climate

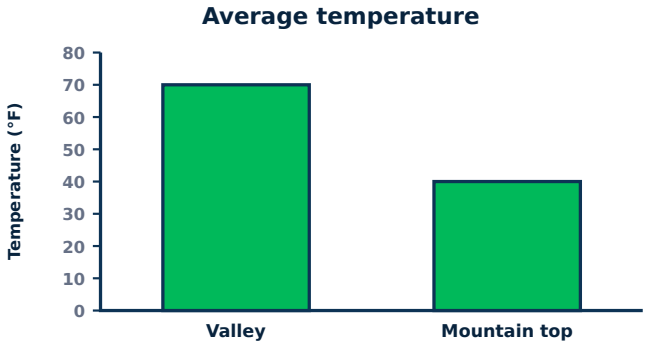
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