Climate and Weather Hazards

Grade 3 Science Worksheet - Challenge Me

Name _____ Date _____

Circle the answer.

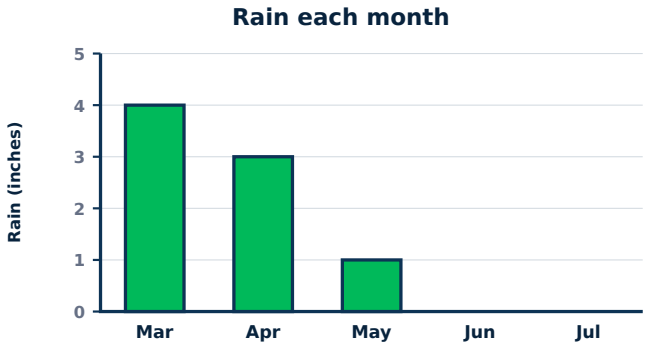
1. A town floods when the river rises above 12 feet. The highest flood on record reached 14 feet. Which levee would protect the town?
   a 15-foot levee a 13-foot levee a 12-foot levee a 10-foot levee

2. Town A has about 3 tornadoes a year. Town B has about 1 every 20 years. Which town most needs storm shelters in every school?
   Town B, because it had one long ago
   Town A, because tornadoes happen there often
   Town B, because tornadoes surprise people
   both the same, because tornadoes are rare

3. A sea wall protects a beach town from storm waves. What is one drawback of the sea wall?
   it pulls lightning to the beach
   it makes heat waves worse
   it costs a lot and can wash away beach sand
   it lets storm waves flood the town

4. Which evidence would show that a new levee works?
   it rained very little that spring
   the levee was painted to last
   the river stayed at 5 feet all year
   the river rose to 14 feet and the town stayed dry

5. A farm pond needs at least 2 inches of rain each month to stay full. Use the graph. In which months did the farm need stored water?



   May, June and July March and April June and July only all five months

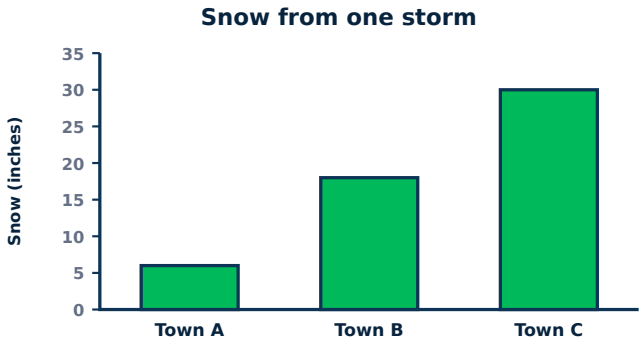
6. Drip pipes give water straight to roots. Sprinklers spray water into the air, where some dries up. Which is better in a drought, and why?
   sprinklers, because they cover more ground
   sprinklers, because spraying cools the air
   drip pipes, because they use more water
   drip pipes, because less water is lost

7. Engineers test two roofs in a wind machine. Roof A blows off at 60 mph. Roof B stays on at 130 mph. Which is the better choice for a hurricane area?
Roof B
they are equally good
Roof A, because it is lighter
Roof A

8. A city plants shade trees and paints roofs a light color. Which hazard is this plan meant to reduce?
lightning strikes heavy snow extreme heat in summer river flooding

9. Why do towns use many years of records when planning for floods, not just last year's?
big floods are rare, so one year may miss them
floods happen at the same time every year
last year's records are not useful
rain is the same every year

10. A roof can safely hold about 20 inches of heavy snow. Use the graph. Which town's roofs needed to be cleared?



Town B and Town C all three towns Town C only Town A only

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Answer Key - Grade 3 Science Worksheet - Challenge Me

Circle the answer.

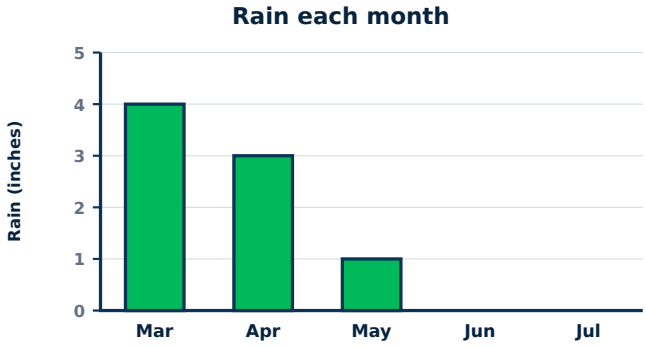
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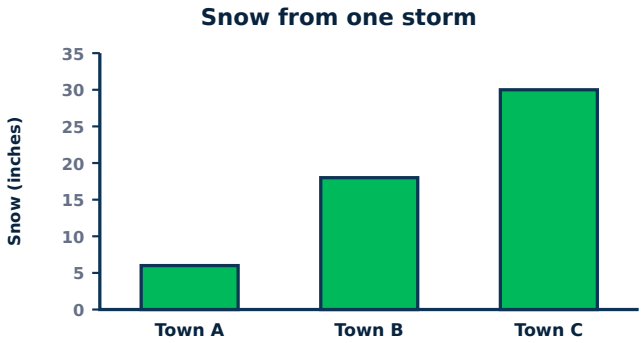
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