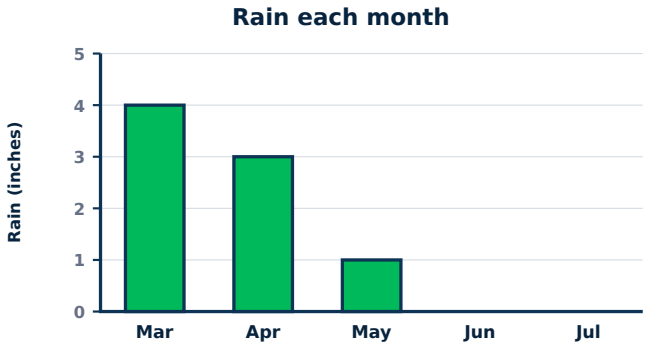
Climate and Weather Hazards

Grade 3 Science Worksheet - Challenge Me

Name _____ Date _____

Circle the answer.

1. 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?



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

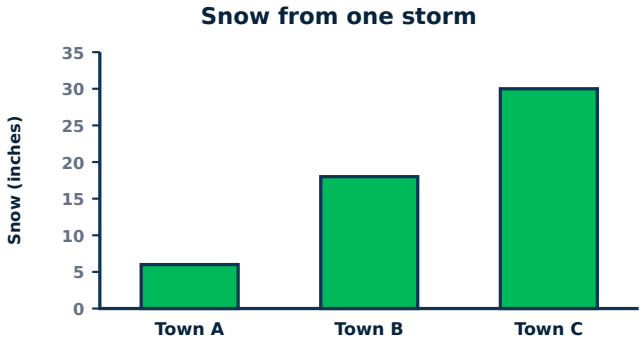
2. Drip pipes give water straight to roots. Sprinklers spray water into the air, where some dries up. Which is better in a drought, and why?
   sprinklers, because spraying cools the air
   drip pipes, because they use more water
   drip pipes, because less water is lost
   sprinklers, because they cover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

3. 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 A, because it is lighter
   Roof B
   Roof A
   they are equally good

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

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

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



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

7. Wildfires are likely in a dry, windy summer. Which design helps protect a town at the edge of a forest?
a pile of firewood by each door
a wide strip cleared of dry brush
a row of dry bushes near the houses
wooden fences joining the houses

8. Engineers want to compare two flood barriers. Which test is fair?
test both with the same amount of water
test one in a pool and one in a river
test one indoors and one outdoors
test one with more water than the other

9. Weather records show that heavy rain in this town comes mostly in April. When should the town clean its storm drains?
in July, when it is driest
in April, during the storms
in March, before the rainy month
in May, after the rains

10. 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 12-foot levee a 10-foot levee a 13-foot levee a 15-foot levee

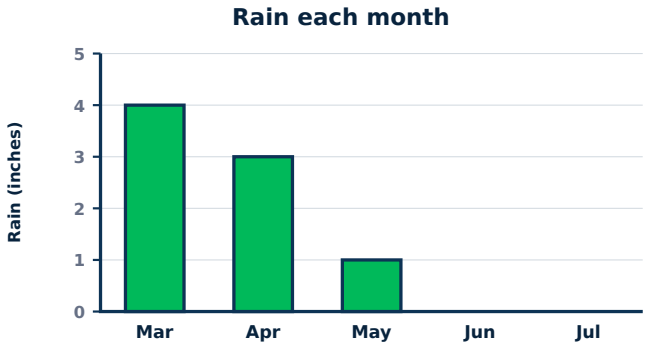
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Answer Key - Grade 3 Science Worksheet - Challenge Me

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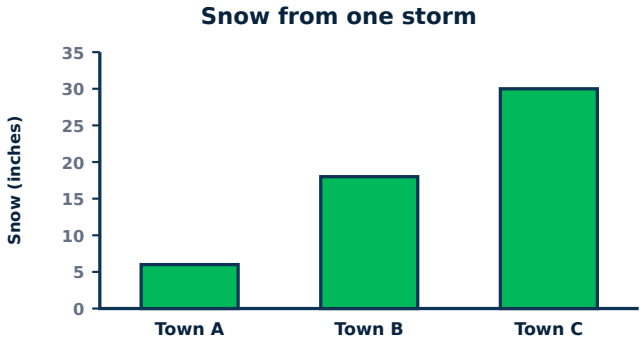
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