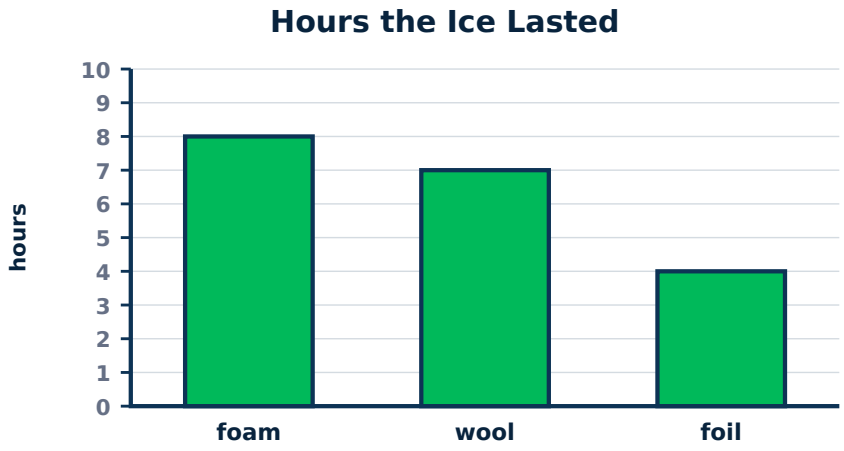
Compare Engineering Solutions

Grade 4 Science Worksheet

Name _____ Date _____

Circle the answer.

1. A team tested coolers with three linings. The goal: at least 6 hours. Foam costs $4, wool $2, foil $1. Which lining should the team pick?



foil foam wool any of the three

2. Cooler A keeps ice for 6 hours but is too heavy to carry. Cooler B keeps ice for 5 hours and is light. A class trip needs ice for 4 hours and a light cooler. Which fits?

neither cooler Cooler A both coolers Cooler B

3. A school must pick a sunshade. Shade 1 cools 8 degrees, costs $40. Shade 2 cools 6 degrees, costs $15. The goal is at least 5 degrees cooler for under $20. Which is best?

Shade 2 neither shade Shade 1 both shades

4. Car A rolled 5 m with a large balloon. Car B rolled 5 m with a small balloon but has wider wheels. A student says balloon size made no difference. Why is this not proven?

balloons cannot push cars

both cars rolled the same distance

two things were different between the cars

wheels never affect distance

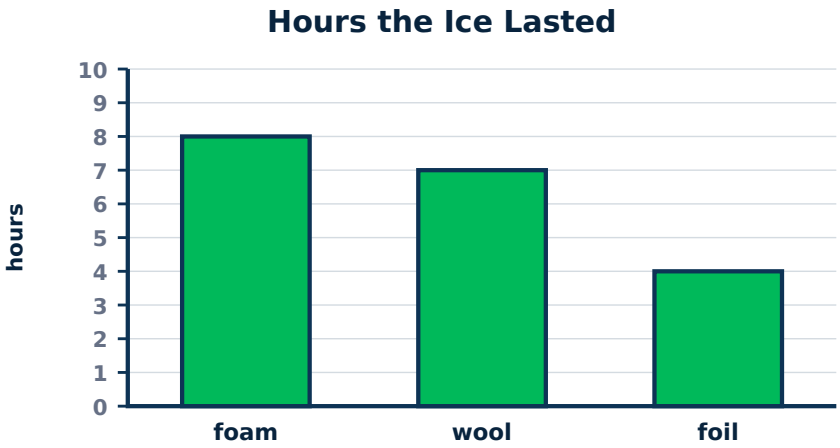
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Answer Key - Grade 4 Science Worksheet

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