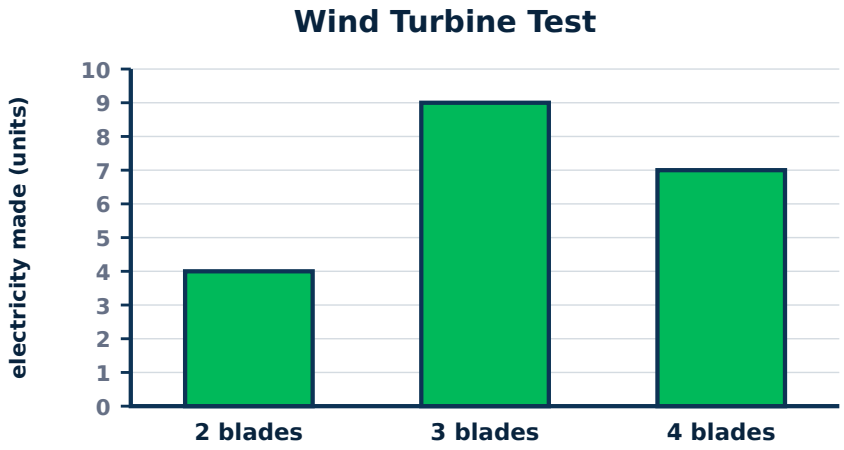
# Compare Engineering Solutions

Grade 4 Science Worksheet - Building Confidence

Name _____ Date _____

Circle the answer.

1. Three toy wind turbines made electricity in the same wind. Which made the most?




4 blades 3 blades 2 blades

2. Turbine with 3 blades made 9 units. Turbine with 6 blades made 7 units and cost more. What can the team conclude?

more blades did not make more electricity here

more blades always make more electricity

the 6-blade turbine was the best value

3. Why do engineers build and test more than one design?

to use up all the materials

to find which design meets the goals best

so every design is the same

4. Two lunch coolers kept milk cold. Cooler A: 3 hours. Cooler B: 5 hours. Lunch is 4 hours after school starts. Which cooler works?

both coolers Cooler A Cooler B

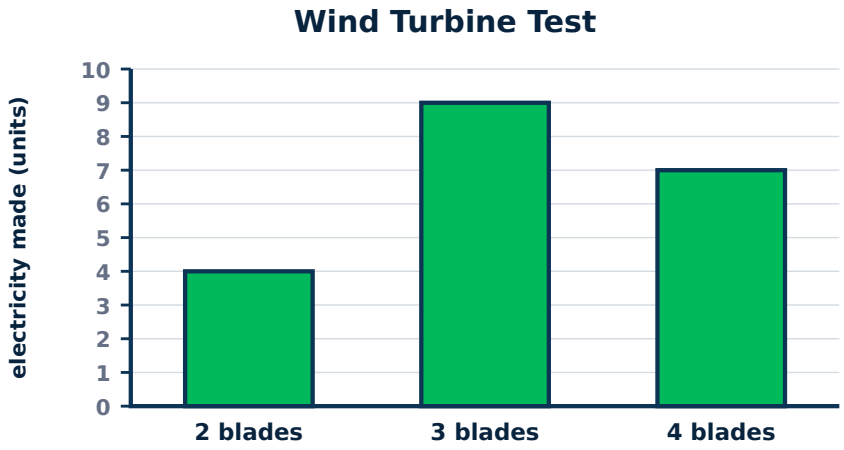
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# Compare Engineering Solutions

Answer Key - Grade 4 Science Worksheet - Building Confidence

Circle the answer.

1. Three toy wind turbines made electricity in the same wind. Which made the most?




4 blades (3 blades) 2 blades

2. Turbine with 3 blades made 9 units. Turbine with 6 blades made 7 units and cost more. What can the team conclude?

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