Compare Engineering Solutions

Grade 4 Science Worksheet - Challenge Me

Name _____ Date _____

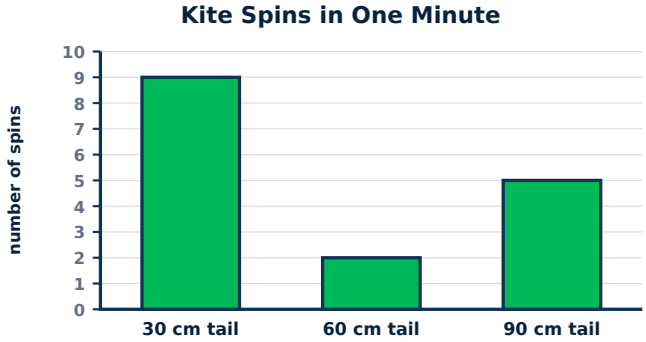
Circle the answer.

1. Turbine A makes 10 units, is loud, costs $50. Turbine B makes 8 units, is quiet, costs $30. A school wants at least 7 units, quiet, under $40. Which fits, and why?
   Turbine A, because it makes the most
   Turbine B, because it meets all three needs
   Turbine A, because it is loud enough to notice
   neither, because both make electricity

2. Car A: 6 m, then 6 m, then 6 m. Car B: 9 m, then 2 m, then 7 m. Both averaged 6 m. Which is more reliable, and why?
   they are the same, because the averages match
   Car A, because its results stayed the same
   Car B, because it once went 9 m
   Car B, because its average is higher

3. Filter A removes all dirt in 30 minutes. Filter B removes most dirt in 2 minutes. A camp needs water with no dirt at all and has all morning. Which fits?
   neither, because both filters take time
   Filter B, because it is the fastest filter
   Filter A, because it removes all dirt and there is time
   Filter B, because most of the dirt is enough

4. A class tested three kite tails. Which tail length gave the steadiest flight?



30 cm all were the same 60 cm 90 cm

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Answer Key - Grade 4 Science Worksheet - Challenge Me

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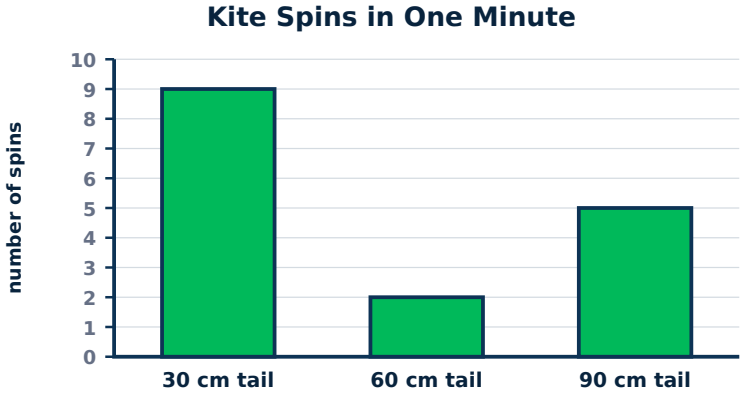
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