Helicopter Lab

Question: How does wing length affect a paper helicopter's fall time? SNC1W, Thinking Like a Scientist, Lesson 4

Name: _____ Date: _____

Hypothesis	
Independent variable	
Dependent variable	
Controlled variables	
Safety	Students stay on the floor. Scissors point down. Keep the landing zone clear.

Data

Wing length (cm)	Trial 1 (s)	Trial 2 (s)	Trial 3 (s)	Average (s)
4				
6				
8				
10				

Drop height: _____ m Timer method: _____

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Results and Conclusion

Use your data. SNC1W, Thinking Like a Scientist, Lesson 4

Name: _____ Date: _____

Graph your averages: wing length (cm) on the x-axis, average fall time (s) on the y-axis.

Conclusion: As wing length increased, the fall time… (use numbers from your data). Does this support your hypothesis? Explain why.

One source of error, and how to reduce it:

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