

The teacher will need to see all of your work. Check (x) off each one as you use it. Be sure to include the following:

- Pictures, charts, graphs, or t-tables that support your explanation
- A written explanation with detailed sentences
- The equation or number sentence
- The answer (Ask yourself: Is my answer reasonable? Why or why not?)
- The solution in more than one way or related to other situations

Teacher Use Only

Analytical Score:

Understanding **N A P E**

Strategy/Reasoning **N A P E**

Communication **N A P E**

Holistic Score **N A P E**

Name: _____ Grade: _____ Date: _____

Teacher: _____ School: _____

Sam the Slippery Spider

Sam is a garden spider. Everyday he climbs 10 centimeters up his dragline to make a web. Unfortunately, it has been very windy, and every night he gets pushed back down 4 centimeters.

Today Sam will start climbing back up his dragline from the ground level (he headed for the ground yesterday to escape a wasp). He wants to build an orb web 24 centimeters above the ground where he finds the best bugs.

How long will it take before Sam can start making his orb web?
Write an equation to represent Sam's journey.

