

August 15, 2020

## Calculating a Dog's Age Requires a Bit More Math

### Student Comprehension Worksheet

**Directions:** After reading the online *Science News* article "[Calculating a dog's age in human years is harder than you think](#)," answer the following questions.

1. The *Science News* article expresses two mathematical formulas in words. What are the formulas used to find?
2. Write the formulas as equations in terms of  $x$  and  $y$ .
3. Which formula do scientists claim is better? What evidence do the scientists give to support their claim?
4. Name one limitation of the research presented in the article. What other data would you want to collect to better support the claim?
5. According to the article, what are methyl groups and what can scientists learn from them?
6. Does this article assume any knowledge you may not already have?
7. Who is the author of this article? Did the author perform the research mentioned in the article? Explain.
8. Name the publication this article is published in. Where is the original research published? Who is the intended audience of each publication?