

If Only You Could...

Name _____

Date _____



1) Have you ever wished or dreamed you could do astounding things? Write about something you have dreamed or wished you could do.

In the book, "If Only You Hopped Like A Frog", several astounding comparisons are made. For each problem measure yourself or estimate the measure for yourself. Set up a proportion comparing you to the creature in the book. Find what you could do "If Only You Could..." Show how you set up proportions to solve.

1) If you hopped like a frog, you could hop 60 inches if you were three inches tall. How far could you jump if you could hop like a frog? Describe where you could jump.

2) An ant can lift 50 times its weight. A large ant that weighs 0.004 ounces can lift 0.2 ounces. If you could lift like an ant, how much could you lift? What is something you could lift?

3) A Brachiosaurus weighing 60,000 pounds has a brain that weighs 0.15 pounds. If your brain size was the same ratio as this dinosaur, how much would it weigh? What object would be about the size of your brain?

4) A Western Diamondback Rattlesnake can open its mouth to eat something twice as wide as its head. So, if the snake's head is one inch wide, it can open its mouth two inches. How wide could you open your mouth if your mouth opened like a rattler's mouth? What is something you could swallow?

5) A shrew is a a very tiny mouse-like mammal that can eat several times its weight each day. A two-ounce shrew can eat six ounces of insects and worms. If you ate like a shrew, how much could you eat? What is something you could eat?

6) A crane whose neck is eight inches long would only be about two feet tall. How long would your neck be if you had a neck like a crane? Your neck would be about as long as what object?

7) A female house spider which is 1.5 centimeters long can run 49.5 centimeters in one second. If you could run like a spider, how fast could you run in a second? Describe a distance you might be able to run in one second.

8. Make up new animal that can do some incredible thing. Write a short description of that animal and its special capability compared to its size. Write a proportion questions regarding your size and what you could do.