



# How Much You Otter Eat!

Teachers: Here's how to use this activity...

Key Points:

- Sea otters eat 25% of their weight.
- High food intake and high metabolism help to keep sea otters warm.

This worksheet can be used on its own as a fun math and science learning activity, or as part of a larger unit focused on sea otters.

The purpose of this activity is to provide students with a fun, new way to experience how much food an otter eats. Their understanding of what and how much an otter eats as well as why this is essential to their lives should increase with this activity.

For a more hands-on experience... In addition to the worksheet, you could also use a bathroom scale and weigh out canned food in a sturdy bag so each student can weigh out the quantity of food and pick it up to feel how much weight it really is.



# How Much You Otter Eat!

Sea Otters eat 25% of their weight in food each day!

My weight is: \_\_\_\_\_ pounds

Use this chart to see what 25% of your weight is:

Weight (lbs.)	Food (lbs.)
40	10
50	12.5
60	15
70	17.5
80	20
90	22.5
100	25
110	27.5
120	30
130	32.5

$$\frac{\text{_____ lbs.}}{\text{(pounds of food you otter eat)}} \times \frac{16 \text{ oz.}}{1 \text{ lb.}} = \frac{\text{_____ oz.}}{\text{(ounces of food you otter eat)}}$$

If I were an otter, I would eat \_\_\_\_\_ pounds (or \_\_\_\_\_ ounces) of food each day!

If 12 ounces = 1 can of food, how many cans of food would you eat every day as an otter?

$$\frac{\text{_____ oz.}}{\text{(ounces of food you otter eat)}} \times \frac{1 \text{ can}}{12 \text{ oz.}} = \text{_____ cans of food!}$$



# How Much You Otter Eat!

Sea Otters eat 25% of their weight in food each day!

My weight is: \_\_\_\_\_ kilograms

Use this chart to see what 25% of your weight is:

Weight (kg)	Food (kg)
16	4
20	5
24	6
28	7
32	8
36	9
40	10
44	11
48	12
52	13

$$\frac{\text{_____ kg}}{\text{(kilograms of food you otter eat)}} \times \frac{1000 \text{ g}}{1 \text{ kg}} = \frac{\text{_____ g}}{\text{(grams of food you otter eat)}}$$

If I were an otter, I would eat \_\_\_\_\_ kilograms (or \_\_\_\_\_ grams) of food each day!

If 340 grams = 1 can of food, how many cans of food would you eat every day as an otter?

$$\frac{\text{_____ g}}{\text{(grams of food you otter eat)}} \times \frac{1 \text{ can}}{340 \text{ g}} = \text{_____ cans of food!}$$