

LESSON
4

Introduction to Algebra

Problem Solving: Equations and Their Solutions

Use the table to write and solve an equation to answer each question. Then use your answers to complete the table.

1. A hippopotamus can stay underwater 3 times as long as a sea otter can. How long can a sea otter stay underwater?

2. A seal can stay underwater 10 minutes longer than a muskrat can. How long can a muskrat stay underwater?

3. A sperm whale can stay underwater 7 times longer than a sea cow can. How long can a sperm whale stay underwater?

Hippopotamus	15
Human	
Muskrat	
Platypus	10
Polar bear	
Sea cow	16
Sea otter	
Seal	22
Sperm whale	

Circle the letter of the correct answer.

4. The difference between the time a platypus and a polar bear can stay underwater is 8 minutes. How long can a polar bear stay underwater?

- A 1 minute
- B 2 minutes
- C 3 minutes
- D 5 minutes

5. When you divide the amount of time any of the animals in the table can stay underwater by itself, the answer is always the amount of time the average human can stay underwater. How long can the average human stay underwater?

- F 6 minutes
- G 4 minutes
- H 2 minutes
- J 1 minute