

6.RP.A.1

About this standard

Understand the concept of a ratio and use ratio language to describe a ratio relationship between two quantities. For example, "The ratio of wings to beaks in the bird house at the zoo was 2:1, because for every 2 wings there was 1 beak." "For every vote candidate A received, candidate C received nearly three votes."

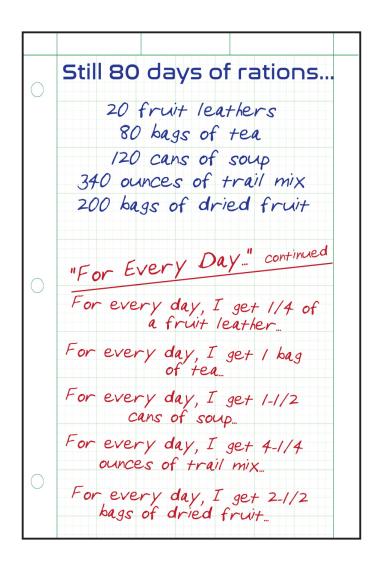
FOR EVERY DAY

What are the rest of the lyrics?

Delta Team Geologist Kim O'Hara is at the home base on Mars, awaiting the rest of her team to return from their supply mission. The team is expected to return in 80 days, and O'Hara is rationing her food supply so she won't run out before the team returns. To help her remember how much she can have each day, she is writing lyrics to a rap song called "For Every Day."

She found some additional snacks and made a new inventory list.

For each item on the list, write the additional lyrics to O'Hara's song.



Name	Date	Period

APPLYING THE STANDARD

Here is how similar problems might look on a test.

1) Write the ratio of stars to moons in two different ways.



- a) 8:6 or 8 to 6
- b) 4:3 or 4 to 3

Steven is on the school basketball team. His season free throw record is shown in the table. Use the table for problems 2 - 4.

Write the ratio of made free throws to missed free throws in two different ways. Answers may vary.

64:48 16:12 8:6 4:3

3) For every 4 free throws Steven made, he missed _____ free throws.

Steven's Regular Season Free-Throw Record		
Made	Missed	
64	48	

- **4)** For every 7 free throws Steven attempted, he made _____4 ____ free throws.
- 5) To make a deep orange paint color, Regina mixed 8 drops of red paint and 2 drops of yellow paint. Describe the relationship between the red paint and the yellow paint in at least 4 different ways.

 Answers may vary.



- a) For every 8 drops of red paint, there are 2 drops of yellow paint.
- b) For every 1 drop of yellow paint, there are 4 drops of red paint.
- c) The ratio of red paint to yellow paint is 4 to 1.
- d) 8/10 (or 4/5) of the paint mixture is red.