

Lesson Summary

Ratio tables can be used to compare two ratios.

Look for equal amounts in a row or column to compare the second amount associated with it.

3	6	12	30	10	25	30	45
7	14	28	70	16	40	48	72

You can also extend the values of the tables in order to get comparable amounts. Another method would be to compare the values of the ratios. Write the values of the ratios as fractions and then use your knowledge of fractions to compare the ratios.

When ratios are given in words, students can create a table of equivalent ratios in order to compare the ratios.

12: 35 compared to 8: 20

Quantity 1	12	24	36	48	Quantity 1	8	56
Quantity 2	35	70	105	140	Quantity 2	20	140

Problem Set

1. Sarah and Eva were swimming.
 - a. Use the ratio tables below to determine who the faster swimmer is.

Sarah

Time (min)	3	5	12	17
Distance (meters)	75	125	300	425

Eva

Time (min)	2	7	10	20
Distance (meters)	52	182	260	520

- b. Explain the method that you used to determine your answer.
2. A 120 lb. person would weigh about 20 lb. on the earth’s moon. A 150 lb. person would weigh 28 lb. on Io, a moon of Jupiter. Use ratio tables to determine which moon would make a person weigh the most.