

### 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
7	14	28	70

10	25	30	45
16	40	48	72

The values of the tables can also be extended in order to get comparable amounts. Another method would be to compare the values of the ratios by writing the values of the ratios as fractions and then using knowledge of fractions to compare the ratios.

When ratios are given in words, creating a table of equivalent ratios helps in comparing the ratios.

12: 35 compared to 8: 20

Quantity 1	12	24	36	48
Quantity 2	35	70	105	140

Quantity 1	8	56
Quantity 2	20	140

### Problem Set

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

Sarah

<b>Time (min)</b>	3	5	12	17
<b>Distance (meters)</b>	75	125	300	425

Eva

<b>Time (min)</b>	2	7	10	20
<b>Distance (meters)</b>	52	182	260	520

- Explain the method that you used to determine your answer.
- 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.