

Tables of Ratios Task

Grade 6 unit 4

You and your partner watch the video below and take notes for your interactive notebook.

<http://www.onlinemathlearning.com/ratio-tables-coordinate-plane.html>

Click on the video entitled LESSON 14.

Task Card 1

Using Ratio Tables to Solve Ratio Problems

ADAPT (level 5) or extend this table to solve the problem below, on a piece of paper:

- Travis can run 4 laps in 12 minutes. If he continues to run at that pace, how many minutes will it take Travis to run 36 laps?

Laps	4	8	12	16	20	24	28
Minutes	12	24	36	48	60	72	84

Task Card 2

Now, you and your partner **CREATE** (level 5) a ratio table and solve the problem below:

If 6 cheese crackers have a total of 90 calories, how many cheese crackers would you have to eat to get 300 calories?

Task Card 3

You and your partner **DESIGN** (level 5) a ratio table to complete this word problem:

Due to stronger gravity on Jupiter, a person who weighs 160 pounds on Earth would weigh 416 pounds on Jupiter. How much would a person weigh on Jupiter if he weighs 40 pounds on Earth?

Earth	160	120			
Jupiter	416	376			

Task Card 4

With each of your ratio tables from task cards 1-3, you and your partner will **CONSTRUCT** (level 5) a graph for each ratio table and you will plot your points.