7.RP.2: Worksheet

1. Write an equation that shows there are 8 cars for every truck in Los Angeles.

2. Do the points $(3, 2)$ and $(18, 12)$ represent a proportional relationship? Why or why not?

3. What's the unit rate in the graph in Figure 1? What point represents this?
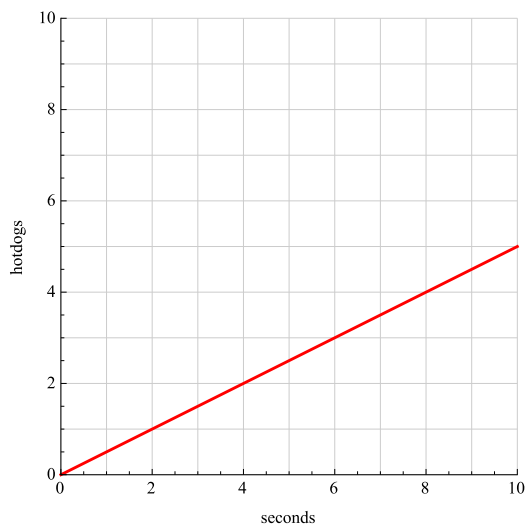

Figure 1.

4. Does the following table show a proportional relationship between birds and cats?

Birds	7	21	35	49
Cats	1	3	6	9

5. Write an equation that shows there are five times more polar bears than grizzly bears.

6. In the equation $2y = 18x$, what's the constant of proportionality?

7. Does the following table show a proportional relationship between Orcs and Elves? If so, what is the ratio of Orcs to Elves?

Orcs	1	2	5	11
Elves	3	6	15	33

8. The following table shows how much Big Al gets paid at his job. What's his hourly rate?

Hours	5	8	9	20
Dollars	62.50	100	112.50	250

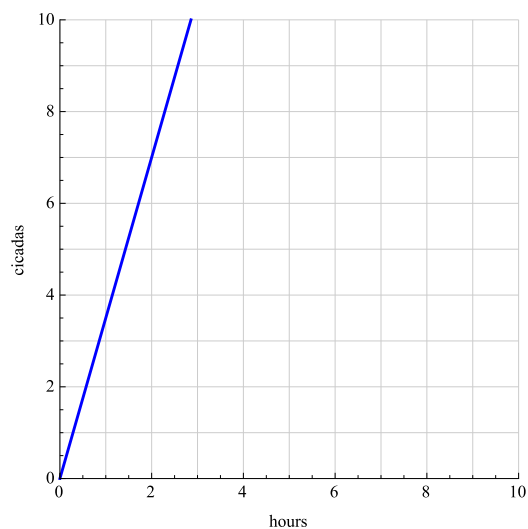9. Figure 2 shows the number of cicadas James can catch every hour. What does the point $(4, 14)$ tell us?

Figure 2.

10. What's James' unit rate according to Figure 2?