Question

On a bike trip across the United States Rodney notes that you have covered about 190 miles in 4 days. If you continue at this rate, use a ratio table to determine how many miles you will cover after 6 days.

Solution

Since the day speed is assumed to be constant, there is a ratio of the number of miles to the number of days. A ratio table can be build to show this proportional relationship between the distance of the trip and the duration.

Numerator (Distance)	Denominator (Duration)
190	4
?	6

In order to answer the question, the missing value should be found. Using division by 2, a new row can added.

Numerator (Distance)	Denominator (Duration)
190/2=95	4/2=2
190	4
?	6

Using multiplication by 3 or addition, one arrives at the third row.

Numerator (Distance)	Denominator (Duration)
95*3=285 or 95+190=285	6

Distance	Duration
95	2
190	4
285	6

Note that 6 is not divisible by 4, besides, 2 and 1 are common divisors of 4 and 6, and 190 is not divisible by 4.

Answer:

After 6 days, the covered distance will be 285 miles.

Answer provided by https://www.AssignmentExpert.com