

Conditions

Susan rides her bike 5 miles in $\frac{3}{5}$ of an hour. At that rate, how many miles could she ride in 2 hours? Explain your answer

Solution

We can calculate Susan's velocity in ml/h:

$$v = \frac{5}{3/5} = \frac{25}{3} \text{ ml/h}$$

At this rate she can ride $\frac{25}{3} \cdot 2 = \frac{50}{3} = 16\frac{2}{3} \text{ ml}$ in 2 hours.