

Kerry wants to use the \$250 he received for his birthday to buy a new music player that costs \$79 and to join a music club. The club has a \$25 membership fee and then charges \$14.95 per month for 30 downloads per month. Write and solve an inequality to determine the number of months of membership that Kerry can afford. Show your work and explain what any variables you use represent.

$$\frac{250}{79} = \frac{25}{14.95}$$

$$3737.5 = 1975$$

$$\begin{array}{r} 250 \\ - 79 \\ - 25 \\ - 14.95 \end{array}$$

$$\frac{250}{14.95} = 16.72$$

$$16.8$$

$$17$$