## Challenge \#14

> Theoni has 582 Twinkies. She wants to eat one per day and pass them out to the twelve others in her math class. The teacher would like one too. How many days can she be in charge of the treats before running out of Twinkies? Will they last the entire school year? A semester? A quarter?

582 Twinkies
14 people get a Twinkle each day.


$\rightarrow$ we get this pt when there are no Twinkies left:

$$
\begin{aligned}
0 & =582-14 t \\
14 t & =582 \\
t & =\frac{582}{14}=41 \frac{4}{7}
\end{aligned}
$$

5 school days in a week
$\Rightarrow 41$ days is a little over 8 school weeks
which is just under a quarter of a school yean.

