# BRING TEXTBOOK VOLUME 2! (we will actually use it this time, I promise!) 

Warmup 4/(\# of days in $2 \frac{4}{7}$ weeks)
Start your Week 4 Warmup page.
***Get a calculator*** $\quad$ commercial viewed
Is there a correlation between the 量 version of the commercial the people viewed and their likeliness to buy the
 product? (In other words, which commercial is the most persuasive?)

[^0]


## Solve each equation:

a. $5 x+75=75+5 x$

Infinite Solutions
$x=\#$ of days
$90-3 x=1.5 x$
$90-3 \mathrm{x}=1.5 \mathrm{x}$
20 days; both hair $=30$ feet
Rapunzel's hair was originally 90 feet long, but something strange has happened, and her hair is starting to shrink. Her hair is getting 3 feet shorter every day. Meanwhile, Lord Voldemort's head was originally bald, but something equally strange has happened, and his hair is growing 1.5 feet per day.
Define a variable and write an equation to find out when their hair would be the same length.
-How long will it take for Rapunzel's and Lord Voldemort's hair to be the same length? How long will their hair be at this point?



[^0]:    $\frac{25}{65} \approx 38 \%$ of the people who watched version 1 are likely to buy the product.
    $\frac{20}{30} \approx 67 \%$ of the people who watched version 2 are likely to buy the product.
    $\frac{54}{85} \approx 64 \%$ of the people who watched version 3 are likely to buy the product. Version 2 is likely the most persuasive commercial, followed closely by version 3 .

