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## Converting % into decimal practice In an equation, a percent must always be written in "Decime Form percent is always a number out of 100. So if we want to convert a percent into a decimal we DIVIDE 134 100

### Convert the following percents into decimal form

14% = 14 = 14	$4\% = \frac{4}{100} = .04$	$5\% = \frac{5}{10} = .05$
1.34% 1.34 = . 0134	$0.6\% = \frac{0.6}{100} = .006$	50% 50 = .5

#### Example 1:

It costs \$400 to buy a football autographed by Falcon's quarterback Matt Ryan. It is expected increase in value 4% per year. How much do you expect it to be worth in 5 years? 4.04 REPRESENTS THE GROU y=400(1+.04)x 4%= 4=.04 y= 400 (1.04) \* E-THIS IS OUR FORMULA = (3486.66) IN 5 YEARS Example 2: A new iPad costs \$650. It is expected to decrease in value 15% each year. How much do  $\frac{15}{100} = .15$ you expect it to be worth in 3 years? AFTOR

Wednesday

# Thursday

A house in my neighborhood is for sale for \$150,000. It is expected to increase in value 1.2% per year. How much do you expect the house to be worth in 15 years?

y= 150,000 (1+.012)\* 4=150,000 (1.012)× y=150,000(1.012)15 = \$179,390.30

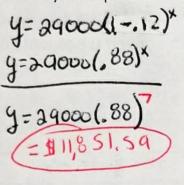
#### Example 4:

part bi How much money did The house increase in value in over the 15 years? 179,340,30 - 150,000 = are 15 years celywhe Amount IN VALUE THE HOUSE INCREASED By \$29, 390.30

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A brand new Jeep Wrangler cost \$29,000. It is expected to decrease in value 12% per year. How much do you expect it to be worth in 7 years?

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THE OR LOST \$17,148.41 VALUE OVER 7 YEAR iN YEARS