

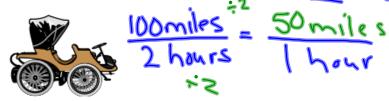
Remember to <a>label</a> your answer with proper <a>label</a> <a>label

We can write ratios and rates using the word  $\frac{1}{2}$ , using a  $\frac{1}{2}$  or using a  $\frac{1}{2}$ .

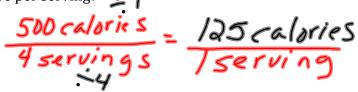
## Rate Examples

1. You drive 100 miles in 2 hours. How many miles per hour is this?

50 miles/1hour



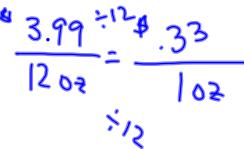
125 caloris/serving





3. Cereal costs \$3.99 for a 12-ounce box. How much does is cost per oz?

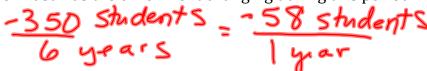
#.33/<sub>0</sub>%





- 4. Angie worked 7.5 hours yesterday and earned \$53.33. What did she earn per hour? \$53.33 \frac{1}{5} \frac{1}{5}
- 5. From 2000-2006, the enrollment at NHS has decreased by 350 students.

How fast was the enrollment changing during this period?



6. k - 7 What value can k not have?

大=10

k-10 can't divide by 0.

7. Find the rate of temperature change if the temperature drops 11 degrees in 5 hours.

-2.2°/1hr

Vocab	Definition	
Percent of Discount	Ratio of discount to original price	Original =
Percent of Tax	Ratio of tax to Selling price	fax =1/.

## Ratio Examples

8. It takes Bob 15 minutes to get to work and it takes Sue 40 minutes to get to work. What is the ratio of Bob's travel time to Sue's travel time?

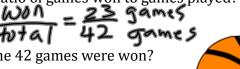
9. A park is an eighth of mile long and 300 feet wide.

Find the ratio of length to width.

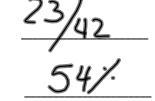
$$\frac{\text{keigth}}{\text{wisth}} = \frac{6605t}{3005t} = \frac{66}{30} = \frac{22}{30} = \frac{11}{5}$$

has Same Units

- 10. NHS won 23 of its last 42 basketball games.
  - a. What is the ratio of games won to games played?



$$\frac{23}{42}$$
 = .54 = 54%.



- 11. A pair of shoes that originally sold for \$40 is on sale for \$8 less
  - a. What is the percent of discount on the shoes?



b. If there is \$1.92 tax on the sale price, what is the tax rate?