Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Class\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

*I can solve unit rate problems with decimals.*

**Unit Rate**- unit means one. So, a **unit rate** is the rate of **one unit** of a given quantity.

Common real world examples: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ per \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ per \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ per \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

You can use **proportions** to find the unit rate, you can also set up a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ equation to find a unit rate.

A **proportion** is an equation with two ratios that are equivalent.

When setting up the division equation, the dividend is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, while the divisor

is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Example: How many miles did I travel on 1 gallon of gas?

|  |  |  |
| --- | --- | --- |
|  | Actually traveled | Unit rate |
| miles | 350 | *x* |
| gallons | 70 | 1 |

Practice:

1. Christine went to Staples to buy paperclips. She spent $37.50 for 500 paperclips. How much did she pay for each paperclip?
2. Solomon is training for a bike marathon. So if it takes him 20 minutes to bike 6 miles, how many minutes will it take him to bike 144 miles?
3. Matthew and Ryan went shopping for camping supplies. Matthew paid $5.40 for 8 toothbrushes at CVS. Ryan paid $18.15 for 25 toothbrushes at Rite Aid. Who found the better deal?
4. Mr. Kouvatsos made 35 shots during a season of 6 games. On average, how many shots did he make in one game?