

Key Idea: Rate and Unit Rate

Rate:

Unit Rate:

Equivalent Rates:

Algebra:

Rate: *a* units : *b* units Unit Rate: $\frac{a}{b}$ units: 1 unit

Examples 1-

Writing a Rate

Using a double number line shows the rate.

Example 2-

Finding a Unit Rate

Use a ratio table, and divide one part of the ratio (*b*) by itself to make a unit rate of one.

Example 3-

Finding Equivalent Rates

A. Using a ratio table, divide to find the unit rate and then multiply to find the value.

*The unit rate of cost per unit is called unit cost.

B. Use a double number line

On Your Own: p. 207, #4

1
2 A. A chef buys 6 pounds of salmon fillets for \$51. How much will the chef pay for 9 more pounds of salmon fillets?

3
4 B. You buy 2 pounds of tilapia fillets for \$16. What is the cost for 7 pounds of tilapia fillets?
