Is 30 miles per hour a ratio?

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In this lesson you will learn how rates are part of the ratio family by reviewing the qualities of a ratio.

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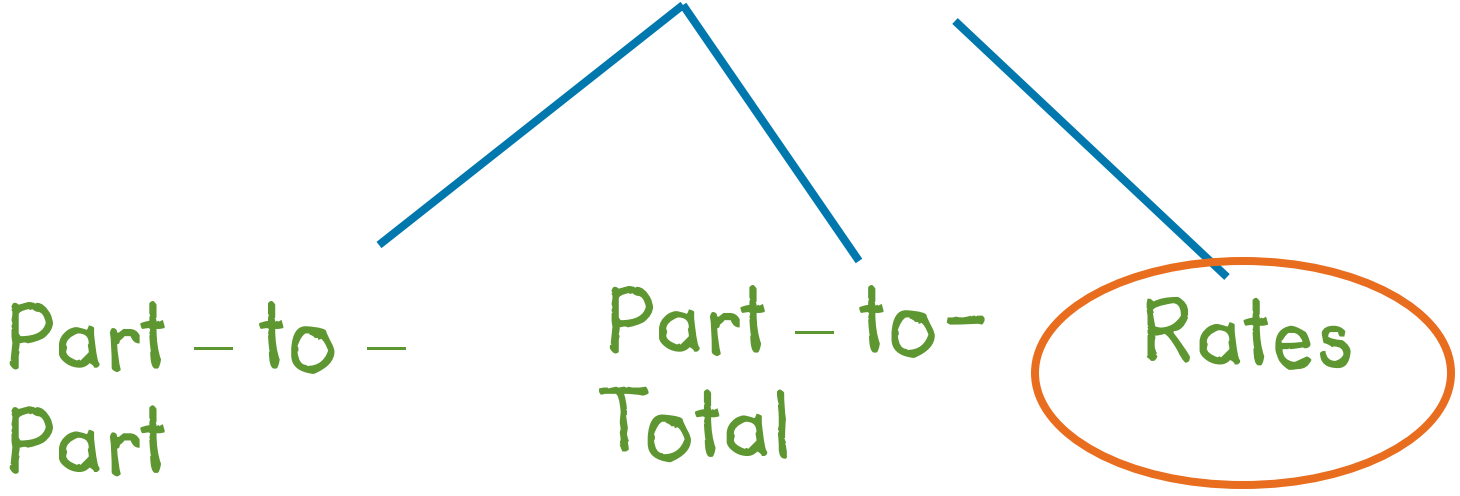
Let's Review

A ratio is a comparison of two or more quantities that are related.



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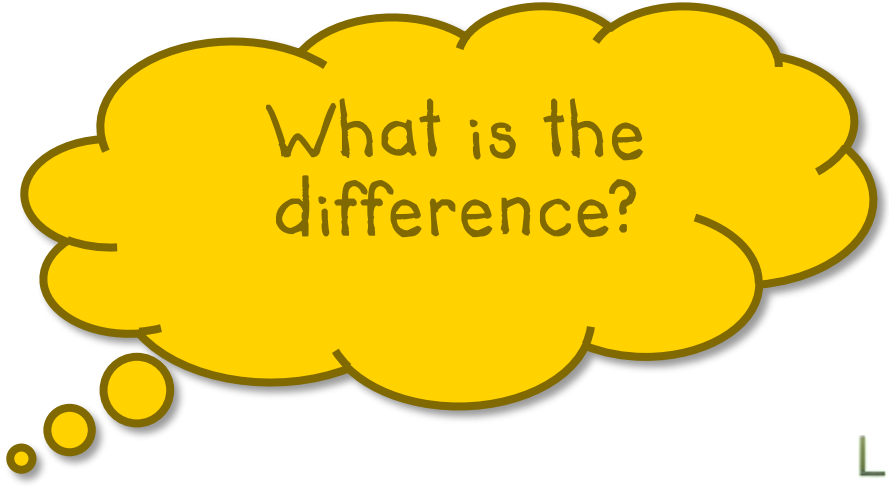
A Common Mistake

comparison of two or more quantities

3 miles per 2 hours vs. 3 boys to 2 girls



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Core Lesson

Common Rates

Rates are ratios that compare two or more quantities of different measures.

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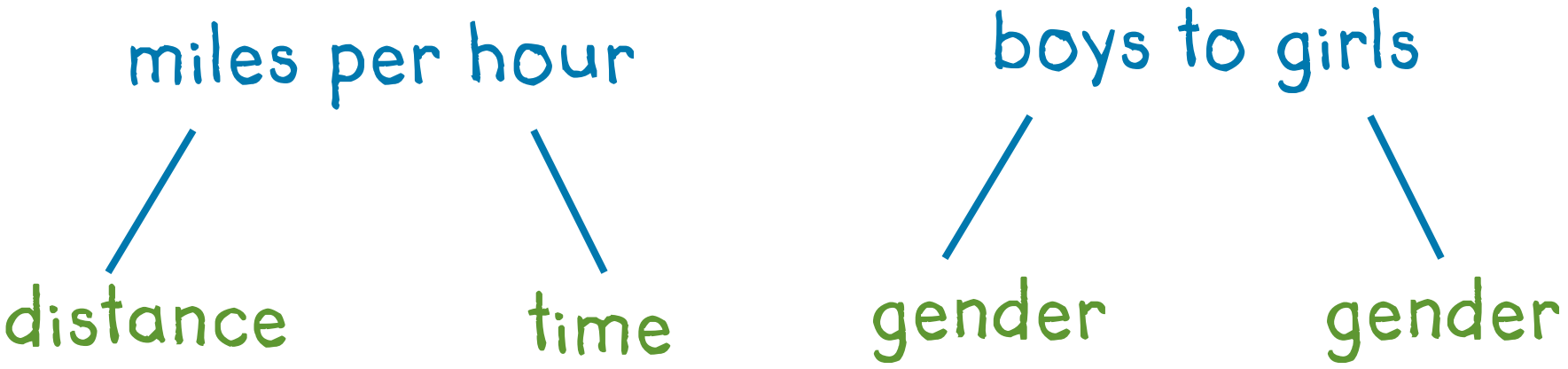
Core Lesson



Rates are ratios that compare two or more quantities of different measures

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Core Lesson

Read "per" as "for every"

3 miles per 2 hours

I traveled 3 miles for every 2 hours that passed.

For every 3 miles traveled, it took 2 hours

For every 2 hours that passed, I traveled 3 miles.

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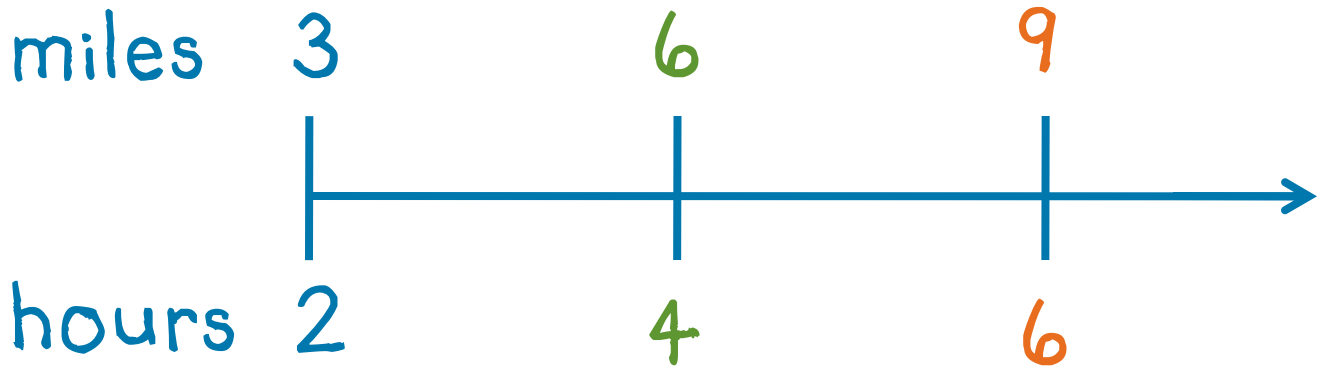
Core Lesson

3 miles per 2 hours



Rates, like ratios, have a constant pattern.

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In this lesson you have learned how rates are part of the ratio family by reviewing the qualities of a ratio.

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Guided Practice

At the market, fruit baskets have 3 oranges for every 5 apples.

True/False:

This example shows a rate because the two quantities measure different types of fruit.

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Extension Activities

Create a Venn Diagram showing the similarities and differences between rates and ratios.

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Extension Activities

Your friend cites a ratio of 3 oranges to 2 apples as an example of a rate saying it compares two different measures of fruit.

Decide if your friend is correct, and then *in your own words*, explain why this is or is not an example of a rate.

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Quick Quiz

At the register, Annie notices her grocery bill was marked with $14 for the 7 pounds of meat she purchased. What is another way of saying this ratio?

George mows 7 lawns per 4 hours. What is another way of saying this rate?

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