

Lesson 5-1 : Ratios

SWBAT: Write and find ratios to compare real world quantities.

**Ratio:**

A \_\_\_\_\_ . It can be written in three ways; as a \_\_\_\_\_, \_\_\_\_\_, or with a \_\_\_\_\_.

Ex: You make a recipe with 6 cups of chex mix to 2 cups of pretzels. You want to find the ratio of chex mix to pretzels.

- As a fraction it would be \_\_\_\_\_.
- In words it would be \_\_\_\_\_.
- With a symbol it would be \_\_\_\_\_.

① In a classroom there are 12 boys and 10 girls. What is the ratio of girls to boys? What is the ratio of boys to total students?

② A bag of trail mix contains 4 ounces of peanuts, 2 ounces of m & m's, 1 ounce of raisins and 2 ounces of dried fruit. What is the ratio of dried fruit to peanuts? What is the ratio of raisins to m&m's? What is the ratio of peanuts to total ingredients?

**Using a tape diagram:**

A tape diagram is \_\_\_\_\_ . You just need to \_\_\_\_\_ next to each given item.

Find the ratio of dogs to cats in the tape diagram:

Dogs 

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Cats 

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Find the ratio of dollars earned to dollars saved:

Earned 

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Saved 

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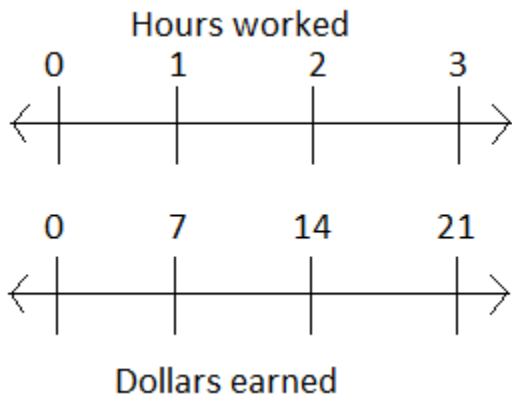
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**Double number line diagram:**

This shows \_\_\_\_\_ in relation to each other using \_\_\_\_\_ . You want to find the ratio in its most simplified form.

Ex: What is the ratio of hours worked to dollars earned?



Describe the athletes speed during a track event:

