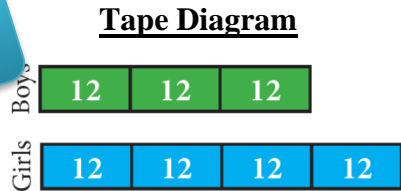


In this unit, we will connect to your child’s understanding of ratios which compare whole numbers to ratios that compare two fractions (complex fractions). We will compute unit rates and use those rates to solve multi-step problems (using models such as ratio tables and tape diagrams). We will also apply our understanding of ratios and rates to scale drawing that reduce or enlarge the size of the actual object using a scale factor.

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Ratio Table

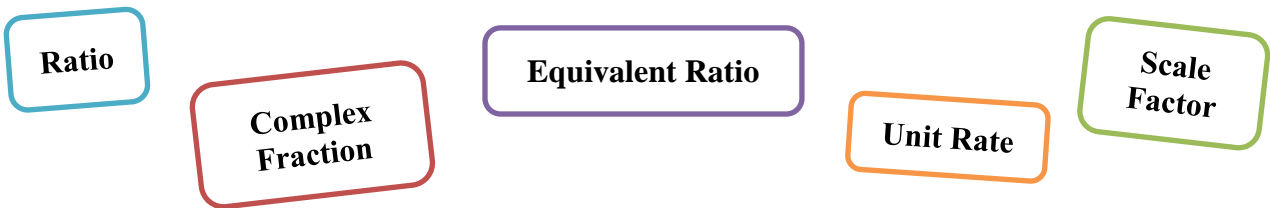
Birds	9	18	27
Snakes	2	4	8

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How You Can Help at Home

- Discuss different ratio and rate situations that occur throughout the day in your home. For example,
 - ratios of males to females in your home
 - gas mileage in miles per gallon
 - using unit cost of items at store to determine the best deal
- Convert measurements of items in your home between larger and smaller units (i.e. inches/feet or ounces/gallons)
- Use unit rates to determine speeds when traveling (i.e., 2 hours to travel 110 miles = 55 miles per hour)
- Find careers that might use scale drawings and look at samples of those drawings.

Important Vocabulary



Connecting Math Concepts

Past math topics your child has learned that will be activated in this unit	Future math this unit prepares your child for
<ul style="list-style-type: none"> ➤ Dividing a fraction by a fraction. ➤ Representing situations using ratios. ➤ Understanding of the concept of a unit rate and used unit rate language. ➤ Using ratio and rate reasoning to solve real-world and mathematical problems. 	<ul style="list-style-type: none"> ➤ Using units as a way to understand problems and to guide the solution of multi-step problems. ➤ Using similar triangles to understand slope. ➤ Applying geometric methods to solve design problems.