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Module 4	Fractions, Decimals, Percents, and Factors
Lesson 1	Concepts of Fractions, Ratios, and Percents



Represent $\frac{2}{5}$ using two different models.



What is the ratio of teachers to students?

Students		Teacher
Boys	Girls	
12	13	Mr. King
15	11	Ms. Apple



Explain how fractions, ratios, and percents are the same.



Explain how fractions, ratios, and percents are different.

Challenge

Problems

4.1

Possible Answers

Set 1

1. Divide a rectangle into five equal parts. Shade two of the regions. Using a number line, divide the space between zero and one into five equal parts. Two parts to the right of zero is $\frac{2}{2}$.



2. 12 + 13 + 15 + 11 = 51 51 students 2:51

Set 2

- **1.** Fractions, ratios, and percents name part of a whole. These can all represent the same number.
- 2. Fractions, ratios, and percents are written differently, such as \square , "to," :, and %.

Fractions and percents compare a part to a whole, while ratios can compare a part to another part. In a percent, a part is always being compared to one hundred.