

**STUDY LINK**  
**12•3**

# Ratios



Ratios can be stated or written in a variety of ways. Sometimes a ratio is easier to understand or will make more sense if it is rewritten in another form.

**Example:** In a group of 25 students, 16 students walk to school and 9 take a bus. The ratio of students who take a bus compared to all students in the group can be expressed in the following ways:

- ◆ With words: Nine out of twenty-five students take a bus.
- ◆ With a fraction:  $\frac{9}{25}$  of the students take a bus.
- ◆ With a percent: 36% of the students take a bus.
- ◆ With a colon between the two numbers being compared: The ratio of students who take a bus to all students in the group is 9:25 (nine out of twenty-five).

Revise the above statements to express the ratio of students who walk to school to all students.

1. With words: \_\_\_\_\_ students walk to school.
2. With a fraction: \_\_\_\_\_ of the students walk to school.
3. With a percent: \_\_\_\_\_ of the students walk to school.
4. With a colon: The ratio of students who walk to school to all students is \_\_\_\_\_.

In each problem, fill in the ovals next to each correct ratio.

5. Fifty cars drove past in 10 minutes. Twenty-three cars were blue.

23:50 of the cars were blue.

23% of the cars were blue.

0.46 of the cars were blue.

6. In a group of 9 people, 6 were swimmers.

$\frac{2}{3}$  of the people were swimmers.

6:9 of the people were swimmers.

$66\frac{2}{3}\%$  of the people were swimmers.

7. In a sports shop, 35 of the 40 caps sold the day before the World Series were baseball caps.

7 out of 8 caps sold were baseball caps.

35% of the caps sold were baseball caps.

35:40 of the caps sold were baseball caps.