

Application Lesson Opener

For use with pages 457–464

A useful way to compare two quantities is to write a *ratio*. If your family has 2 dogs and 3 cats, the ratio of dogs to cats is $\frac{2}{3}$, or 2:3.

If you also have 4 fish, the ratio of dogs to cats to fish is 2:3:4.

Write the indicated ratio for the members in your class today. Then create some ratios of your own about your class.

1. boys : girls
2. girls : boys
3. students : teachers
4. left-handed : right-handed
5. freshmen : sophomores
6. 14-year-olds : 15-year-olds : 16-year olds
7. not currently employed : currently employed
8. have no pet at home : have at least one pet at home
9. born in this state : not born in this state
10. ate cereal for breakfast : did not eat cereal for breakfast
11. not wearing jeans today : wearing jeans today
12. birthday is in spring : birthday is in summer :
birthday is in fall : birthday is in winter