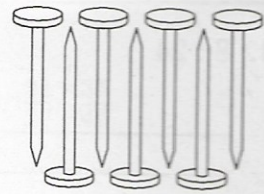
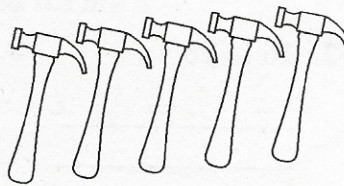
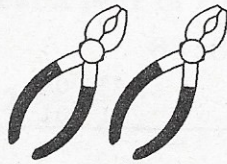
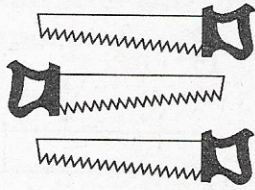


# Practice

For use after 9-1

Write each ratio in three ways.



1. saws to pliers

2. hammers to nails

3. saws to nails

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

4. nails to saws

5. hammers to pliers

6. pliers to saws

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

7. pliers to nails

8. saws to hammers

9. nails to hammers

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Write a ratio in simplest form to compare the areas of the figures shown at the right.

10. triangle to square

\_\_\_\_\_

11. triangle to parallelogram

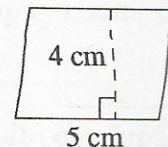
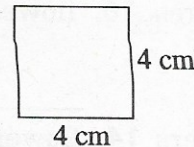
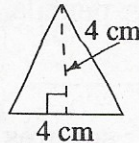
\_\_\_\_\_

12. square to parallelogram

\_\_\_\_\_

13. square to triangle

\_\_\_\_\_



14. In Tanya's family, 6 out of 15 people have blue eyes. What is the ratio of those who have blue eyes to those who do not? \_\_\_\_\_

15. In Fred's class, 8 of the 21 students earned a grade of B or better. What is the ratio of students who did not earn at least a B to those who did? \_\_\_\_\_

16. In Todd's class, 14 of the students own cats and 9 of the students own dogs. What is the ratio of dog owners to cat owners? \_\_\_\_\_

17. In Markita's class, there are 15 boys and 12 girls. Write two ratios that represent the number of girls to the number of boys.

\_\_\_\_\_



**Practice**

For use after 9-1

Write a ratio in three ways for each situation.

1. In Louisiana in 1988, schools averaged 182 pupils for every 10 teachers.  
\_\_\_\_\_
2. In 1989, 41 out of 250 people in the labor force belonged to a union.  
\_\_\_\_\_
3. Between 1899–1900, 284 out of 1,000 people in the United States were 5–17 years old.  
\_\_\_\_\_
4. In a recent year, 7 out of 10 people with Japanese heritage who lived in the United States lived in either Hawaii or California.  
\_\_\_\_\_

Use the chart below for Exercises 5–6.

The seventh-grade classes were asked whether they wanted chicken or beef served at their awards banquet.

Room Number	Chicken	Beef
201	10	12
202	8	17
203	16	10

5. In room 201, what is the ratio of students who prefer chicken to students who prefer beef?  
\_\_\_\_\_
6. Combine the totals for all three rooms. What is the ratio of the number of students who prefer beef to the number of students who prefer chicken?  
\_\_\_\_\_

Choose A, B, C, or D.

7. A bag contains green, yellow, and orange marbles. The ratio of green marbles to yellow marbles is 2 : 5. The ratio of yellow marbles to orange marbles is 3 : 4. What is the ratio of green marbles to orange marbles? \_\_\_\_\_  
A. 5 : 2      B. 15 : 8      C. 5 : 4      D. 3 : 10
8. A bag contains red, blue, and purple marbles. The ratio of red marbles to blue marbles is 3 : 7. The ratio of blue marbles to purple marbles is 5 : 9. What is the ratio of red marbles to purple marbles? \_\_\_\_\_  
A. 3 : 9      B. 7 : 9      C. 5 : 21      D. 21 : 5