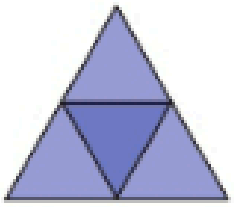
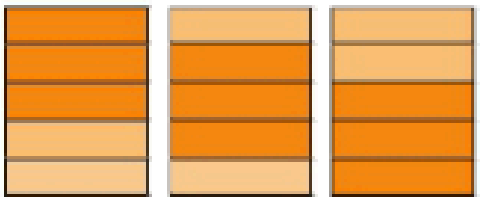
Divide. Express the quotient in simplest form. Use models to help you.

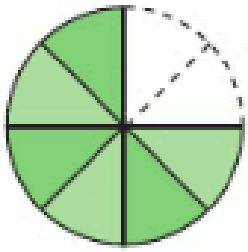
1. $1 \div \frac{1}{4}$



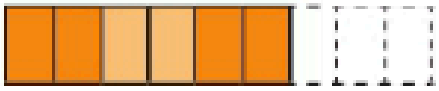
2. $3 \div \frac{3}{5}$



3. $\frac{3}{4} \div \frac{1}{8}$



4. $\frac{2}{3} \div \frac{2}{9}$



Draw a model to find each quotient.

5. $1 \div \frac{1}{5}$

6. $4 \div \frac{8}{9}$

7. $\frac{2}{5} \div \frac{3}{10}$

8. $\frac{3}{4} \div \frac{3}{16}$

Find each quotient. Express your answer in its simplest form.

9. $4 \div \frac{1}{7}$

10. $12 \div \frac{1}{3}$

11. $9 \div \frac{3}{4}$

12. $10 \div \frac{4}{5}$

13. $\frac{1}{2} \div \frac{1}{8}$

14. $\frac{1}{4} \div \frac{1}{2}$

15. $\frac{3}{5} \div \frac{11}{15}$

16. $\frac{2}{3} \div \frac{10}{13}$

17. $\frac{5}{6} \div \frac{7}{12}$

18. $\frac{3}{4} \div \frac{9}{16}$

Find each quotient. Express your answer in its simplest form.

19 $\frac{1}{3} \div \frac{7}{4}$

20 $\frac{1}{2} \div \frac{8}{3}$

21 $\frac{1}{9} \div \frac{14}{3}$

22 $\frac{5}{8} \div \frac{21}{4}$

23 $3\frac{1}{2} \div 2\frac{1}{8}$

24 $5\frac{1}{4} \div 3\frac{1}{2}$

25 $7\frac{3}{5} \div 8\frac{11}{15}$

26 $12\frac{2}{3} \div 5\frac{11}{13}$

Solve. Show your work.

27 6 pizzas were shared equally among a group of children. Each child got $\frac{1}{9}$ of a pizza. How many children were in the group?

28 A rectangle has an area of 15 square meters. It is divided into parts, each with an area of $\frac{3}{8}$ square meter. Into how many parts has the rectangle been divided?

29 How many $\frac{3}{8}$-cup servings are in a pitcher containing $6\frac{3}{4}$ cups of orange juice?

30 Maria buys $8\frac{1}{3}$ pounds of beef to make tacos for a party. She uses $\frac{5}{9}$ pound of beef for each taco. How many tacos can Maria make?

31 A rectangular plot of land has an area of $\frac{1}{8}$ square mile. Its width is $\frac{3}{20}$ mile. What is the length of the plot of land?

32 A farmer has four plots of land, each with an area of 12 acres. He divides them into a number of parts, each with an area of $\frac{8}{9}$ acre. How many parts are there on the four plots of land?

33 The capacity of a large milk carton is $1\frac{1}{2}$ liters. A dozen large cartons are poured into a container and then poured into small cartons that each hold $\frac{3}{10}$ liter. How many small cartons of milk can be filled?