## Another Look!

If 3 pizzas are shared equally among 8 people, what fraction of a pizza will each person get?

## Additional

Practice 9-1
Fractions and
Division

## Step 1

Partition each pizza into 8 equal pieces. Each piece is $\frac{1}{8}$ of the whole.


Since there are more people than pizzas, each person will get less than a whole pizza.

In 1-5, write a division expression for each fraction.

1. $\frac{1}{2}$
$1 \div 2$
2. $\frac{5}{6}$
$5 \div 6$
3. $\frac{9}{15}$
$9 \div 15$
4. $\frac{10}{25}$
$10 \div 25$
5. $\frac{16}{31}$
$16 \div 31$

In 6-10, write each division expression as a fraction.
6. $5 \div 9$
7. $1 \div 12$
8. $4 \div 21$
9. $8 \div 30$
$\frac{8}{30}$ or $\frac{4}{15}$
10. $15 \div 45$
$\frac{4}{21}$
$\frac{15}{45}$ or $\frac{1}{3}$

In 11-14, tell what fraction each person gets when they share equally.
11. 6 friends share 3 apples.
$\frac{3}{6}$ or $\frac{1}{2}$ of an apple
13. 10 students share 1 hour to give their science reports.
$\frac{1}{10}$ of an hour
12. 8 people share 1 pizza.
$\frac{1}{8}$ of a pizza
14. 5 women each run an equal part of a 3-mile relay.
$\frac{3}{5}$ of a mile

Use the table for 15 and $\mathbf{1 6}$. The table shows the weights of different materials used to build a bridge.
15. Model with Math Write a division expression that represents the weight of the steel structure divided by the total weight of the bridge's materials.
$400 \div 1,600$
16. Write a fraction that represents the weight of glass and granite in the bridge compared to the total weight of the materials in the bridge.
$\frac{200}{1,600}$ or $\frac{1}{8}$
17. Higher Order Thinking A group of students shared 3 rolls of clay equally. If each student got $\frac{1}{2}$ of a roll of clay, how many students were in the group? Explain.
6 students; Because there are 6 one-half rolls of clay in 3 whole rolls.

18. (az) Vocabulary Write a division equation. Identify the dividend, divisor, and quotient.
Sample answer: $120 \div 4=30$. 120 is the dividend, 4 is the divisor, and 30 is the quotient.
19. One lap around the school track is $\frac{1}{4}$ of a mile. If Patrick runs 7 laps around the track and then runs $1 \frac{1}{2}$ miles to get home, how far will he run in all?
$3 \frac{1}{4}$ miles
20. There were 16 teams at a gymnastics meet. Each team had 12 members. How many gymnasts participated in the meet? 192 gymnasts

## Assessment Practice

21. Which equation would be made true with the number 4 ?
(A) $4 \div 5=\square$
(B) $\square \div 4=\frac{3}{4}$
(C) $1 \div \square=4$
(D) $\square \div 5=\frac{4}{5}$
22. Which equation would be made true with the number 10 ?
(A) $\square \div 10=\frac{1}{10}$
(B) $3 \div \square=\frac{3}{10}$
(C) $4 \div 40=\square$
(D) $\square \div 21=\frac{21}{10}$
