## Another Look!

Max has 5 clementines (a type of small orange). He shares them equally with his friend Tyler. How many clementines will each friend get?

## Additional

Practice 9-2
Fractions and
Mixed Numbers as Quotients

Find the quotient of $5 \div 2$ as a mixed number.
Divide each clementine into 2 equal parts. Each piece is $\frac{1}{2}$ of the whole.


Each friend gets 2 clementines plus $\frac{1}{2}$ of a clementine or $2+\frac{1}{2}=2 \frac{1}{2}$ clementines in all.
So, $5 \div 2=\frac{5}{2}=2 \frac{1}{2}$.


Since there are more clementines than people, each person will get more than 1 clementine.

1. Find $5 \div 8$ and $8 \div 5$. Write each quotient as either a fraction or mixed number. $\frac{5}{8} ; 1 \frac{3}{5}$

In 2-9, find each quotient. Write each answer as either a fraction or mixed number.
2. $7 \div 5$
$1 \frac{2}{5}$
3. $2 \div 3$ $\frac{2}{3}$
4. $15 \div 4$
$3 \frac{3}{4}$
5. $51 \div 25$
$2 \frac{1}{25}$
6. $6 \div 11$
$\frac{6}{11}$
7. $17 \div 12$
$1 \frac{5}{12}$
8. $16 \div 6$
$2 \frac{4}{6}$ or $2 \frac{2}{3}$
9. $92 \div 30$
$3 \frac{2}{30}$ or $3 \frac{1}{15}$

In 10-13, tell how much each person gets when they share equally.
10. 3 friends share 5 pounds of trail mix. $\frac{5}{3}$ or $1 \frac{2}{3}$ pounds
12. 2 sisters share 3 hours of babysitting. $\frac{3}{2}$ or $1 \frac{1}{2}$ hours
11. 6 people share 12 muffins. $\frac{12}{6}$ or 2 muffins
13. 4 students share 10 yards of fabric.
$\frac{10}{4}$ or $2 \frac{1}{2}$ yards of fabric
14. Carol jogged $1 \frac{3}{4}$ miles on 5 days last week. She jogged $2 \frac{1}{4}$ miles on 4 days this week. Was her total distance greater last week or this week? How much greater? Explain.
This week's distance was $\frac{1}{4}$ mile greater; $1 \frac{3}{4} \times 5=8 \frac{3}{4} ; 2 \frac{1}{4} \times 4=9$; $8 \frac{3}{4}<9 ; 9-8 \frac{3}{4}=\frac{1}{4}$
16. Which car traveled the farthest on 1 gallon of gas? Show your work.
$\operatorname{Car} C$; Car A: $\frac{302}{10}=30 \frac{2}{10}$;
Car B: $\frac{174}{5}=34 \frac{4}{5}$; Car C: $\frac{292}{8}=36 \frac{1}{2}$
15. Construct Arguments How can you tell before dividing that the first digit of the quotient $2,874 \div 3$ is in the hundreds place?
Sample answer: The 3 in the divisor is greater than the 2 in the thousands place of the dividend.
17. A.2) Vocabulary Complete the sentence using one of the terms below.
common denominator benchmark fraction

## mixed number

A common denominator for the fractions $\frac{1}{3}$ and $\frac{1}{4}$ is 12 .
18. enVision ${ }^{\circledR}$ STEM The smallest bone in the human body is the stapes bone. It is located in the ear and is about 2.8 millimeters in length. Write this number in expanded form.
$2+\left(8 \times \frac{1}{10}\right)$
19. At Dee's Pizza Kitchen, 7 pizzas were shared equally among 3 families. How much pizza did each family get? Write an equation to represent the problem.
$2 \frac{1}{3}$ pizzas; $7 \div 3=\frac{7}{3}$ or $2 \frac{1}{3}$
20. Higher Order Thinking Everett says that $1 \frac{1}{4}$ equals $4 \div 5$. Is he correct? Explain. No; Sample answer:
$1 \frac{1}{4}=\frac{5}{4}=5 \div 4.4 \div 5=\frac{4}{5}$ which is less than 1.

## Assessment Practice

21. Amira has 27 feet of ribbon to make 5 braided bracelets. How much ribbon goes to each bracelet?
(A) $\frac{5}{27}$ feet
(B) $5 \frac{1}{5}$ feet
(C) $5 \frac{2}{5}$ feet
(D) $5 \frac{3}{5}$ feet
22. Leonard divides 70 by 8 . Between what two whole numbers is his answer?
(A) 11 and 12
(B) 10 and 11
(C) 9 and 10
(D) 8 and 9
