



Additional Practice 9-2

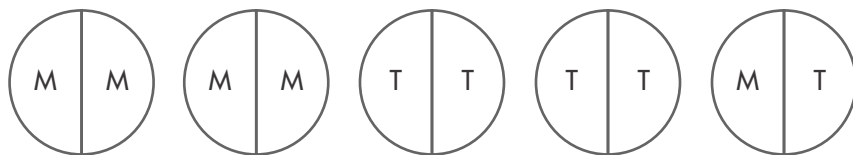
Fractions and Mixed Numbers as Quotients

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?

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.

In **2–9**, find each quotient. Write each answer as either a fraction or mixed number.

2. $7 \div 5$

3. $2 \div 3$

4. $15 \div 4$

5. $51 \div 25$

6. $6 \div 11$

7. $17 \div 12$

8. $16 \div 6$

9. $92 \div 30$

In **10–13**, tell how much each person gets when they share equally.

10. 3 friends share 5 pounds of trail mix.

11. 6 people share 12 muffins.

12. 2 sisters share 3 hours of babysitting.

13. 4 students share 10 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.

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?

16. Which car traveled the farthest on 1 gallon of gas? Show your work.

	Distance	Gasoline
Car A	302 mi	10 gal
Car B	174 mi	5 gal
Car C	292 mi	8 gal

17. **Vocabulary** Complete the sentence using one of the terms below.

common denominator
benchmark fraction **mixed number**

A _____ for the fractions $\frac{1}{3}$ and $\frac{1}{4}$ is 12.

18. **enVision® 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.

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.

20. **Higher Order Thinking** Everett says that $1\frac{1}{4}$ equals $4 \div 5$. Is he correct? Explain.

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