LESSON MAKER PRO

Share It Equally

Write equal shares as division and fractions.

GRADE 5 · 5.NF.B.11.a

5.NF.B.11.a "Model and interpret a fraction as division of the numerator by the denominator (a/b= a ÷ b)"

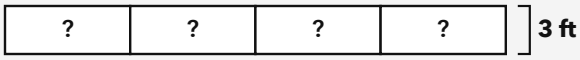
NAME _____ DATE _____

THE BIG IDEA

A fraction can show division: a/b means a ÷ b. The top number is the amount shared, and the bottom number is the number of equal shares.

WORKED EXAMPLE

Cut 3 feet of string into 4 equal pieces. How long is each piece?



1. Divide 3 feet by 4.
2. Write 3 ÷ 4 as 3/4.

Answer: Each piece is 3/4 ft long.

PRACTICE 4 problems

1 Write 5 ÷ 2 as a fraction.

ANSWER _____

2 Write 7/8 as a division expression.

ANSWER _____

3 Write 9 ÷ 6 as a fraction.

ANSWER _____

4 Write 11/5 as a division expression.

ANSWER _____

APPLY IT Show your work

1 Your club shares 8 cookies equally among 5 members. How many cookies does each member get? Write a division expression and a fraction.

WORK SPACE

ANSWER _____

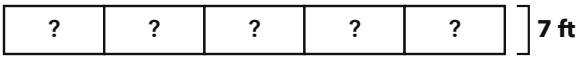
2 A mural team shares 11 liters of paint equally among 6 panels. How many liters go on each panel? Write a division expression and a fraction.

WORK SPACE

ANSWER _____

CHALLENGE One step up

The tape shows 7 feet of string cut into 5 equal pieces. Explain why each piece is 7/5 ft, not 5/7 ft.



WORK SPACE AND ANSWER

ANSWER KEY

Share It Equally

GRADE 5 · 5.NF.B.11.a

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Write 5 ÷ 2 as a fraction.	**5/2**
2	Write 7/8 as a division expression.	**7 ÷ 8**
3	Write 9 ÷ 6 as a fraction.	**9/6**
4	Write 11/5 as a division expression.	**11 ÷ 5**

PART 2 · APPLY IT

1. **8 ÷ 5 = 8/5 cookies per member** Divide the 8 cookies by the 5 members. Write that division as 8/5.
2. **11 ÷ 6 = 11/6 liters per panel** Divide the 11 liters by the 6 panels. Write that division as 11/6.

CHALLENGE

The 7 feet are divided into 5 equal pieces, so each piece is 7 ÷ 5 feet. That division is 7/5 feet because the amount shared goes on top.

For 9 ÷ 6, also accept the equivalent fraction 3/2. For the word problems, students must include both a division expression and a fraction.