LESSON MAKER PRO

Fraction Piece Power

Build fractions from equal parts.

GRADE 3 · 3.NR.4.1

3.NR.4.1 "Describe a unit fraction and explain how multiple copies of a unit fraction form a non-unit fraction. Use parts of a whole, parts of a set, points on a number line, distances on a number line and area models."

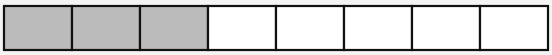
NAME _____ DATE _____

ONE PART, THEN MORE

A unit fraction names one equal part of a whole. When you put equal unit-fraction parts together, the denominator stays the same and the numerator tells how many parts you have.

WORKED EXAMPLE

Look at the bar. What unit fraction is one part? What fraction is shaded?



1. The whole has 8 equal parts.
2. One part is 1/8.
3. 3 parts are shaded, so write 3/8.

Answer: Unit fraction: 1/8. Shaded fraction: 3/8.

PRACTICE 4 problems

1 A whole is split into 5 equal parts. Write the unit fraction for one part.

ANSWER _____

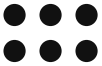
2 How many copies of 1/6 make 4/6?

ANSWER _____

3 These 6 dots are one whole set. Circle 4 dots. What fraction of the whole set did you circle? Explain how copies of the unit fraction make it.

3 in each row

2 rows



ANSWER _____

_____

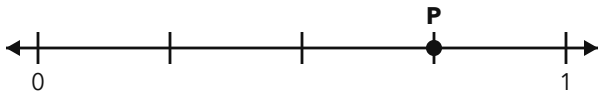
4 Explain how 2 copies of 1/9 make a non-unit fraction.

ANSWER _____

_____

APPLY IT Show your work

1 On the game path, the token is at P. What fraction of the whole path has it traveled? How many copies of the unit fraction is that?



ANSWER

2 Maya shaded this sticker strip. What fraction is shaded? How many copies of the unit fraction make that fraction?



ANSWER

CHALLENGE One step up

A whole is split into 12 equal parts. Five parts are colored. Write the unit fraction, the colored fraction, and how the unit fraction builds the colored fraction.

WORK SPACE AND ANSWER

ANSWER KEY

Fraction Piece Power

GRADE 3 · 3.NR.4.1

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	A whole is split into 5 equal parts. Write the unit fraction for one part.	**1/5**
2	How many copies of 1/6 make 4/6?	**4 copies**
3	These 6 dots are one whole set. Circle 4 dots. What fraction of the whole set did you circle? Explain how copies of the unit fraction make it.	**4/6; one dot is 1/6 of this six-dot whole, and four copies of 1/6 make 4/6.**
4	Explain how 2 copies of 1/9 make a non-unit fraction.	**2/9; two equal parts of size 1/9 make 2/9.**

PART 2 · APPLY IT

1. **3/4; 3 copies of 1/4** The path is split into 4 equal intervals. Point P is 3 intervals from 0, so it shows 3/4.
2. **7/10; 7 copies of 1/10** The strip has 10 equal parts, and 7 are shaded. Each part is 1/10.

CHALLENGE

Unit fraction: 1/12. Colored fraction: 5/12. Five copies of 1/12 make 5/12.

Accept clear wording that states the number of equal unit-fraction copies. Keep fractions with the stated denominator because the task focuses on equal parts of the whole.