LESSON MAKER PRO

Fraction Piece Power

Name the equal parts in a whole.

GRADE 3 · 3.NF.A.1

CCSS.Math.Content.3.NF.A.1 "Understand a fraction 1/b as the quantity formed by 1 part when a whole is partitioned into b equal parts; understand a fraction a/b as the quantity formed by a parts of size 1/b."

NAME _____ DATE _____

EQUAL PARTS MAKE FRACTIONS

A fraction tells how many equal parts of a whole you have. The bottom number tells how many equal parts make the whole, and the top number tells how many parts you have.

WORKED EXAMPLE

A whole sandwich is divided into 6 equal parts. Mia eats 5. What fraction is eaten?

One whole 

1. Each part is 1/6 of the whole sandwich.
2. Five parts make five copies of 1/6.
3. 1/6 + 1/6 + 1/6 + 1/6 + 1/6 = 5/6.

Answer: 5/6

PRACTICE 6 problems

1 A granola bar is cut into 4 equal pieces. One piece is what fraction of the granola bar?

ANSWER _____

2 A poster is divided into 6 equal panels. Three are colored. What fraction is colored?

ANSWER _____

3 A paper strip is split into 2 equal parts. One part is what fraction of the strip?

ANSWER _____

4 A set of 8 equal game cards has 6 cards turned face up. What fraction of the cards is face up?

ANSWER _____

5 A clay ball is separated into 3 equal pieces. Two pieces are on the table. What fraction of the clay ball is on the table?

ANSWER _____

6 A book has 8 equal reading sections. Sam finishes 7. What fraction is finished?

ANSWER _____

APPLY IT Show your work

1 At the school fair, a prize wheel has 6 equal spaces. Four spaces show a sticker prize. What fraction of the wheel shows a sticker prize?

WORK SPACE

ANSWER

2 Draw one rectangular battery panel divided into 8 equal slots. Shade 3 slots. Label one slot as a unit fraction and write the shaded fraction as copies of that unit fraction.

CHALLENGE One step up

A whole progress bar has 8 equal sections; 7 are filled. Write the filled fraction as a sum of unit fractions. Explain what the two numbers in 7/8 mean.

WORK SPACE AND ANSWER

ANSWER KEY

Fraction Piece Power

GRADE 3 · 3.NF.A.1

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	A granola bar is cut into 4 equal pieces. One piece is what fraction of the granola bar?	**1/4**
2	A poster is divided into 6 equal panels. Three are colored. What fraction is colored?	**3/6**
3	A paper strip is split into 2 equal parts. One part is what fraction of the strip?	**1/2**
4	A set of 8 equal game cards has 6 cards turned face up. What fraction of the cards is face up?	**6/8**
5	A clay ball is separated into 3 equal pieces. Two pieces are on the table. What fraction of the clay ball is on the table?	**2/3**
6	A book has 8 equal reading sections. Sam finishes 7. What fraction is finished?	**7/8**

PART 2 · APPLY IT

1. **4/6** There are 6 equal spaces in all. Put the 4 sticker spaces over 6 total spaces to get 4/6.
2. **Each slot is 1/8 of the panel; 1/8 + 1/8 + 1/8 = 3/8.** Check eight equal-area slots within one whole and three shaded; connect each slot to 1/8.

CHALLENGE

7/8 = 1/8 + 1/8 + 1/8 + 1/8 + 1/8 + 1/8 + 1/8. Eight equal parts make one whole; seven of them are filled.

Accept fractions written with a horizontal bar or slash. For 4/6, accept the equivalent fraction 2/3 if the student simplifies it correctly.