

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 $\frac{1}{b}$ as the quantity formed by 1 part when a whole is partitioned into b equal parts; understand a fraction $\frac{a}{b}$ as the quantity formed by a parts of size $\frac{1}{b}$."

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 sandwich is cut into 9 equal pieces. Mia eats 5 pieces. What fraction of the sandwich does Mia eat?

1. The whole sandwich has 9 equal pieces.
2. Mia eats 5 pieces.
3. Write the parts eaten over the total equal parts: $\frac{5}{9}$.

Answer: $\frac{5}{9}$

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 7 equal panels. Three panels are colored. What fraction of the poster 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 10 equal reading sections. Sam finishes 7 sections. What fraction of the book has Sam 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** A robot kit has 8 equal-sized battery slots. Three slots have batteries in them. What fraction of the slots have batteries?

WORK SPACE

ANSWER _____

CHALLENGE One step up

CHALLENGE

A video game progress bar is divided into 12 equal sections. Eleven sections are filled. Write the fraction that is filled. Then explain what the top and bottom numbers mean.

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 7 equal panels. Three panels are colored. What fraction of the poster is colored?	3/7
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 10 equal reading sections. Sam finishes 7 sections. What fraction of the book has Sam finished?	7/10

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. **3/8** The whole is 8 equal slots. Three of those slots have batteries, so the fraction is 3/8.

CHALLENGE

11/12. The 12 means the whole bar has 12 equal sections. The 11 means 11 sections 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.