

One Piece Power

Name one equal part of a whole.

GRADE 3 • TEKS 3.3.C

3.3.C "explain that the unit fraction $1/b$ represents the quantity formed by one part of a whole that has been partitioned into b equal parts where b is a non-zero whole number;"

NAME _____

DATE _____

ONE EQUAL PART

When a whole is partitioned into b equal parts, $1/b$ names one of those parts. The bottom number tells how many equal parts make the whole, and the top 1 tells that you have one part.

WORKED EXAMPLE

A whole granola bar is partitioned into 9 equal pieces. What unit fraction names one piece?

1. The whole has 9 equal pieces.
2. One piece is 1 out of 9 equal pieces.
3. Write $1/9$.

Answer: $1/9$

PRACTICE 6 problems

- 1** A poster is divided into 2 equal parts. What fraction is one part?

ANSWER _____

- 2** Write the unit fraction for one of 5 equal parts.

ANSWER _____

- 3** In $1/7$, how many equal parts is the whole partitioned into?

ANSWER _____

- 4** A whole is partitioned into 6 equal parts. Which unit fraction names one part: $1/5$, $1/6$, or $1/7$?

ANSWER _____

- 5** True or false: $1/4$ means one of 4 equal parts.

ANSWER _____

- 6** A rectangle is split into 4 parts, but the parts are not equal. Does one part represent $1/4$? Explain.

ANSWER _____

APPLY IT Show your work

- 1** At art club, Maya folds one whole paper strip into 10 equal sections. She colors one section. What fraction of the strip does she color?

WORK SPACE

ANSWER _____

- 2** Jalen shares one whole pan of brownies equally among 3 friends. What unit fraction of the pan does each friend get?

WORK SPACE

ANSWER _____

CHALLENGE One step up

A garden path is divided into 12 equal sections. One section is $\frac{1}{12}$ of the path. Which is greater, $\frac{1}{12}$ or $\frac{1}{6}$? Explain your reasoning.

WORK SPACE AND ANSWER

PART 1 • PRACTICE

#	PROBLEM	ANSWER
1	A poster is divided into 2 equal parts. What fraction is one part?	1/2
2	Write the unit fraction for one of 5 equal parts.	1/5
3	In $\frac{1}{7}$, how many equal parts is the whole partitioned into?	7 equal parts
4	A whole is partitioned into 6 equal parts. Which unit fraction names one part: $\frac{1}{5}$, $\frac{1}{6}$, or $\frac{1}{7}$?	1/6
5	True or false: $\frac{1}{4}$ means one of 4 equal parts.	True
6	A rectangle is split into 4 parts, but the parts are not equal. Does one part represent $\frac{1}{4}$? Explain.	No. The parts must be equal for one part to be $\frac{1}{4}$.

PART 2 • APPLY IT

1. **1/10** The whole strip has 10 equal sections. One colored section is $\frac{1}{10}$ of the strip.
2. **1/3** The pan is partitioned into 3 equal shares. Each friend gets one share, or $\frac{1}{3}$.

CHALLENGE

$\frac{1}{6}$ is greater because when a whole is split into 6 equal parts, each part is larger than when it is split into 12 equal parts.

Accept unit fractions written in words, such as “one sixth,” when they match the fraction. For explanations, accept equivalent statements that one part must come from equal-sized parts.