LESSON MAKER PRO

# 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 all equal. Can we conclude that EVERY part is 1/4 of the rectangle? 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 1/12 of the path. Which is greater, 1/12 or 1/6? Explain your reasoning.

WORK SPACE AND ANSWER

**ANSWER KEY**

# One Piece Power

**GRADE 3 · TEKS 3.3.C**

## 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 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: 1/5, 1/6, or 1/7? | **1/6** |
| 5 | True or false: 1/4 means one of 4 equal parts. | **True** |
| 6 | A rectangle is split into 4 parts, but the parts are not all equal. Can we conclude that EVERY part is 1/4 of the rectangle? Explain. | **No. Four parts must all have equal area for every part to be 1/4 of the rectangle. Some individual pieces could still be 1/4; their sizes are not given.** |

## PART 2 · APPLY IT

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

## CHALLENGE

**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 when they match the fraction. For Practice 6, distinguish EVERY part from one selected piece: four unequal pieces do not all have area 1/4, but an individual piece may. For the challenge compare equal-size wholes; 1/6 is greater than 1/12 because dividing the same whole into fewer equal parts gives a larger part.