

Piece Count Parade

Count equal pieces up to two wholes.

GRADE 2 • 2.NS.3.d

2.NS.3.d "Using same-size fraction pieces, from a region/area model, count by unit fractions up to two wholes (e.g., zero one-fourths, one one-fourth, two one-fourths, three one-fourths, four one-fourths, five one-fourths; or zero-fourths..."

NAME _____

DATE _____

COUNT UNIT PIECES

When same-size rectangles are split into equal pieces, each piece is a unit fraction. Count the shaded pieces, even after you reach one whole. Keep the same denominator.

WORKED EXAMPLE

Two equal game boards each have 7 equal squares. 11 squares are shaded. Write the fraction count.

1. Each shaded square is $\frac{1}{7}$.
2. $\frac{7}{7}$ makes 1 whole board.
3. Keep counting: $\frac{8}{7}$, $\frac{9}{7}$, $\frac{10}{7}$, $\frac{11}{7}$.

Answer: $\frac{11}{7}$

PRACTICE 4 problems

- 1** Two toy-sticker strips each have 2 equal boxes. 3 boxes have stars. Write the fraction count.

ANSWER _____

- 2** Two sandwich mats each have 3 equal sections. 4 sections have dots. Write the fraction count.

ANSWER _____

- 3** Two kite cards each have 4 equal panels. 6 panels are colored. Write the fraction count.

ANSWER _____

- 4** Two pet-photo frames each have 5 equal spaces. 9 spaces hold photos. Write the fraction count.

ANSWER _____

APPLY IT Show your work

- 1** At art club, two equal paint trays each have 6 equal wells. 8 wells have blue paint. How many sixth-pieces have blue paint?

WORK SPACE

ANSWER _____

- 2** In a garden game, two equal boards each have 4 equal squares. 5 squares have flower tokens. How many fourth-pieces have flower tokens?

WORK SPACE

ANSWER _____

CHALLENGE One step up

CHALLENGE

Two robot mats each have 8 equal squares. 13 squares are covered. Write the fraction count. Is it more or less than 1 whole? Tell why.

PART 1 • PRACTICE

#	PROBLEM	ANSWER
1	Two toy-sticker strips each have 2 equal boxes. 3 boxes have stars. Write the fraction count.	$\frac{3}{2}$
2	Two sandwich mats each have 3 equal sections. 4 sections have dots. Write the fraction count.	$\frac{4}{3}$
3	Two kite cards each have 4 equal panels. 6 panels are colored. Write the fraction count.	$\frac{6}{4}$
4	Two pet-photo frames each have 5 equal spaces. 9 spaces hold photos. Write the fraction count.	$\frac{9}{5}$

PART 2 • APPLY IT

1. **$\frac{8}{6}$** Each blue well is $\frac{1}{6}$. Count 8 blue wells as $\frac{8}{6}$.
2. **$\frac{5}{4}$** Each square is $\frac{1}{4}$. Count 5 token squares as $\frac{5}{4}$.

CHALLENGE

$\frac{13}{8}$. It is more than 1 whole because $\frac{8}{8}$ is 1 whole, and $\frac{5}{8}$ more squares are covered.

Accept fraction names in words, such as “three halves.” Do not require students to simplify fractions or write mixed numbers.