LESSON MAKER PRO

Shaded Parts

Find fractions in strips and sets.

GRADE 2 · 2.N.3.1

2.N.3.1 "Identify the parts of a set and area that represent fractions for halves, thirds, and fourths."

NAME _____ DATE _____

THE BIG IDEA

A fraction can show part of one whole or part of a set. Parts of one whole must be equal. Count what is shaded, then compare it with all the parts or objects.

WORKED EXAMPLE

These are buttons for a coat. What fraction of the buttons is shaded?



1. Count all 6 buttons.
2. Each row has 2 buttons, so there are 3 equal groups.
3. 1 of the 3 groups is shaded.

Answer: 1/3

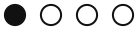
PRACTICE 5 problems

1 A snack bar is split into equal pieces. What fraction is shaded?



ANSWER _____

2 These are stickers. What fraction of the stickers is shaded?



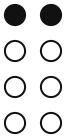
ANSWER _____

3 A paper strip is split into equal parts. What fraction is shaded?



ANSWER _____

4 These are toy blocks. What fraction of the blocks is shaded?



ANSWER _____

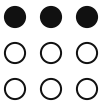
5 A ribbon is split into equal parts. What fraction is shaded?



ANSWER _____

APPLY IT Show your work

1 Maya will use the shaded beads for a bracelet. What fraction of her beads will she use?



ANSWER _____

2 The shaded spaces on a game strip earn points. What fraction of the spaces earn points?



ANSWER _____

CHALLENGE One step up

Ava colors two strips. Do the shaded parts show the same fraction? Explain why.

Strip A 

Strip B 

WORK SPACE AND ANSWER

ANSWER KEY

Shaded Parts

GRADE 2 · 2.N.3.1

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	A snack bar is split into equal pieces. What fraction is shaded?	**1/2**
2	These are stickers. What fraction of the stickers is shaded?	**1/4**
3	A paper strip is split into equal parts. What fraction is shaded?	**2/3**
4	These are toy blocks. What fraction of the blocks is shaded?	**1/4**
5	A ribbon is split into equal parts. What fraction is shaded?	**3/4**

PART 2 · APPLY IT

1. **1/3** There are 9 beads in 3 equal rows. One row of 3 beads is shaded, so Maya will use 1/3 of the beads.
2. **1/2** Two of the 4 equal spaces are shaded. That is 2/4, or 1/2, of the strip.

CHALLENGE

Yes. Strip A shows 1/2, and Strip B shows 2/4. Both show one half shaded.

Accept 2/6 for the worked example, 2/8 for practice problem 4, 3/9 for word problem 1, and 2/4 for word problem 2 when students count shaded objects or parts out of the total. In the challenge, accept an explanation that the shaded amounts match.