LESSON MAKER PRO

Parts Get Smaller

Compare one equal part of same-size wholes.

GRADE 2 · 2.NS.3.b

2.NS.3.b "Describe the relationship between the number of fractional parts needed to make a whole and the size of the parts (i.e., as the whole is divided into more parts, each part becomes smaller)."

NAME _____ DATE _____

THE BIG IDEA

When a whole is split into more equal parts, each part is smaller. When it is split into fewer equal parts, each part is bigger.

WORKED EXAMPLE

One same-size pancake is cut into 3 equal pieces. Another is cut into 6 equal pieces. Which one-piece share is bigger?

1. The pancakes are the same size.
2. 3 parts is fewer than 6 parts.
3. A 1/3 piece is bigger than a 1/6 piece.

Answer: 1/3 is bigger.

PRACTICE 4 problems

1 A snack bar is cut into 2 equal parts. Another same-size snack bar is cut into 4 equal parts. Which single piece is bigger?

ANSWER _____

2 A sandwich is cut into 4 equal parts. Another same-size sandwich is cut into 8 equal parts. Which single piece is bigger?

ANSWER _____

3 An apple is cut into 6 equal slices. Another same-size apple is cut into 8 equal slices. Which single slice is bigger?

ANSWER _____

4 A sandwich is cut into 6 equal pieces. Is one piece bigger or smaller than a piece of a same-size sandwich cut into 2 equal pieces?

ANSWER _____

APPLY IT Show your work

1 Ava cuts a cookie into 3 equal pieces. Ben cuts a same-size cookie into 6 equal pieces. Who has the bigger one-piece share?

WORK SPACE

ANSWER

2 A ribbon is cut into 4 equal pieces. A same-length ribbon is cut into 8 equal pieces. Which has the smaller piece?

WORK SPACE

ANSWER

CHALLENGE One step up

Three same-size brownies are cut into 2, 4 and 8 equal pieces. Order the one-piece shares from biggest to smallest. Complete: More equal parts make ___ pieces.

WORK SPACE AND ANSWER

ANSWER KEY

Parts Get Smaller

GRADE 2 · 2.NS.3.b

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	A snack bar is cut into 2 equal parts. Another same-size snack bar is cut into 4 equal parts. Which single piece is bigger?	**1/2**
2	A sandwich is cut into 4 equal parts. Another same-size sandwich is cut into 8 equal parts. Which single piece is bigger?	**1/4**
3	An apple is cut into 6 equal slices. Another same-size apple is cut into 8 equal slices. Which single slice is bigger?	**1/6**
4	A sandwich is cut into 6 equal pieces. Is one piece bigger or smaller than a piece of a same-size sandwich cut into 2 equal pieces?	**smaller**

PART 2 · APPLY IT

1. **Ava, with 1/3.** For the same whole, thirds are larger than sixths.
2. **The ribbon cut into 8 pieces.** With the same whole length, eighths are smaller than fourths.

CHALLENGE

1/2, 1/4, 1/8; smaller.

Accept fraction names such as one half and one fourth. For comparison items, accept the fraction or a clear description of the correct piece.