

Slice Size Sleuths

Compare one equal part of same-size wholes.

GRADE 2 • TEKS 2.3.B

2.3.B “explain that the more fractional parts used to make a whole, the smaller the part; and the fewer the fractional parts, the larger the part;”

NAME _____

DATE _____

FEWER PARTS, BIGGER PIECE

When equal wholes are split into more parts, each part is smaller. When they are split into fewer parts, each part is larger.

WORKED EXAMPLE

Two same-size sandwiches are cut into equal parts. Which is larger, $\frac{1}{2}$ or $\frac{1}{5}$?

1. The sandwiches are the same size.
2. 2 parts is fewer than 5 parts.
3. A part from fewer equal parts is larger.

Answer: $\frac{1}{2}$ is larger than $\frac{1}{5}$.

PRACTICE 4 problems

- 1** Two same-size granola bars are cut into 3 and 6 equal parts. Which one-piece share is larger?

ANSWER _____

- 2** Two same-size toy clay balls are split into 4 and 8 equal pieces. Which piece is larger?

ANSWER _____

- 3** Two same-size paper flags are cut into 7 and 9 equal parts. Which part is larger?

ANSWER _____

- 4** Two same-size fruit snacks are split into 10 and 12 equal groups. Which group is larger?

ANSWER _____

APPLY IT Show your work

- 1** Mia and Jay each have the same-size cookie. Mia's cookie has 4 equal pieces. Jay's has 8 equal pieces. They each eat 1 piece. Who eats the larger piece?

WORK SPACE

ANSWER _____

- 2** Two same-size pizzas are for a game night. One pizza has 6 equal slices. The other pizza has 12 equal slices. Which pizza has the larger single slice?

WORK SPACE

ANSWER _____

CHALLENGE One step up

Three same-size pizzas are cut into 3, 4, and 6 equal slices. Put one slice from largest to smallest. Explain why.

WORK SPACE AND ANSWER

PART 1 • PRACTICE

#	PROBLEM	ANSWER
1	Two same-size granola bars are cut into 3 and 6 equal parts. Which one-piece share is larger?	$\frac{1}{3}$ is larger than $\frac{1}{6}$.
2	Two same-size toy clay balls are split into 4 and 8 equal pieces. Which piece is larger?	$\frac{1}{4}$ is larger than $\frac{1}{8}$.
3	Two same-size paper flags are cut into 7 and 9 equal parts. Which part is larger?	$\frac{1}{7}$ is larger than $\frac{1}{9}$.
4	Two same-size fruit snacks are split into 10 and 12 equal groups. Which group is larger?	$\frac{1}{10}$ is larger than $\frac{1}{12}$.

PART 2 • APPLY IT

1. **Mia eats the larger piece.** Mia eats $\frac{1}{4}$ and Jay eats $\frac{1}{8}$. Fourths are larger because 4 is fewer than 8.
2. **The pizza with 6 equal slices has the larger single slice.** $\frac{1}{6}$ is larger than $\frac{1}{12}$ because 6 is fewer equal parts.

CHALLENGE

$\frac{1}{3}$, $\frac{1}{4}$, $\frac{1}{6}$. Fewer equal slices make a larger slice.

Accept fraction names, such as one third, for fraction answers. Accept explanations that correctly say fewer equal parts make larger parts.