

Fraction Piece Race

Compare one equal piece of same-size wholes.

GRADE 2 • 2.NS.3.f

2.NS.3.f "Compare unit fractions for halves, fourths, eighths, thirds, and sixths using words (greater than, less than or equal to) and symbols ($>$, $<$, $=$), with region/area and length models."

NAME _____

DATE _____

BIG IDEA

Compare pieces from wholes that are the same size. When a whole is split into fewer equal parts, one part is larger.

WORKED EXAMPLE

Two same-length ribbons are cut into equal parts. Compare $\frac{1}{2}$ of one ribbon and $\frac{1}{8}$ of the other.

1. Both ribbons are the same length.
2. Halves make bigger pieces than eighths.
3. Write $\frac{1}{2} > \frac{1}{8}$.

Answer: $\frac{1}{2} > \frac{1}{8}$, greater than

PRACTICE 4 problems

- 1** A $\frac{1}{3}$ piece of a same-size sandwich ____ a $\frac{1}{4}$ piece. Write a symbol and words.

ANSWER _____

- 2** A $\frac{1}{6}$ part of a same-length jump rope ____ a $\frac{1}{3}$ part. Write a symbol and words.

ANSWER _____

- 3** Two same-size flags each have 4 equal sections. Liv colors $\frac{1}{4}$ of one flag. Ben colors $\frac{1}{4}$ of the other. Compare the colored parts.

ANSWER _____

- 4** A $\frac{1}{6}$ length of a toy train track ____ a $\frac{1}{4}$ length. Write a symbol and words.

ANSWER _____

APPLY IT Show your work

- 1** At art club, Nia paints $\frac{1}{4}$ of a mural. Omar paints $\frac{1}{6}$ of a same-size mural. Whose part is greater? Write a comparison.

WORK SPACE

ANSWER _____

- 2** Two friends share same-size pizzas. Jae gets $\frac{1}{3}$ of a pizza. Kim gets $\frac{1}{4}$ of a pizza. Who gets less? Write a comparison.

WORK SPACE

ANSWER _____

CHALLENGE One step up

CHALLENGE

A toy road is the same length for each car. Sam says $\frac{1}{6}$ of a road is greater than $\frac{1}{4}$ because 6 is greater than 4. Is Sam correct? Explain.

PART 1 • PRACTICE

#	PROBLEM	ANSWER
1	A $\frac{1}{3}$ piece of a same-size sandwich ____ a $\frac{1}{4}$ piece. Write a symbol and words.	$\frac{1}{3} > \frac{1}{4}$, greater than
2	A $\frac{1}{6}$ part of a same-length jump rope ____ a $\frac{1}{3}$ part. Write a symbol and words.	$\frac{1}{6} < \frac{1}{3}$, less than
3	Two same-size flags each have 4 equal sections. Liv colors $\frac{1}{4}$ of one flag. Ben colors $\frac{1}{4}$ of the other. Compare the colored parts.	$\frac{1}{4} = \frac{1}{4}$, equal to
4	A $\frac{1}{6}$ length of a toy train track ____ a $\frac{1}{4}$ length. Write a symbol and words.	$\frac{1}{6} < \frac{1}{4}$, less than

PART 2 • APPLY IT

1. **Nia's part is greater. $\frac{1}{4} > \frac{1}{6}$.** The murals are the same size. One fourth is larger than one sixth.
2. **Kim gets less. $\frac{1}{4} < \frac{1}{3}$.** The pizzas are the same size. One fourth is smaller than one third.

CHALLENGE

No. $\frac{1}{6} < \frac{1}{4}$ because sixths are smaller pieces than fourths.

Accept the correct symbol with the matching comparison words. Equal unit fractions are equal only when the wholes are the same size.