

Fraction Finish Line

Compare, order, and match equal fractions.

GRADE 3 • MA.3.FR.2

MA.3.FR.2 "Order and compare fractions and identify equivalent fractions."

NAME _____

DATE _____

FRACTION CLUES

Fractions can be compared only when they name parts of the same-size whole. When fractions have the same denominator, the fraction with the larger numerator is greater. Equivalent fractions name the same amount, even when their numerators and denominators look different.

WORKED EXAMPLE

Order $\frac{3}{7}$ and $\frac{5}{7}$ from least to greatest.

1. The denominators are both 7.
2. Compare the numerators, 3 and 5.
3. Since 3 is less than 5, $\frac{3}{7}$ is less than $\frac{5}{7}$.

Answer: $\frac{3}{7}$, $\frac{5}{7}$

PRACTICE 6 problems

1 Write $<$, $>$, or $=$. $\frac{1}{2}$ ____ $\frac{1}{4}$

ANSWER _____

2 Write $<$, $>$, or $=$. $\frac{4}{8}$ ____ $\frac{1}{2}$

ANSWER _____

3 Which fraction is equivalent to $\frac{1}{4}$: $\frac{2}{8}$, $\frac{4}{8}$, or $\frac{1}{8}$?

ANSWER _____

4 Order from least to greatest: $\frac{4}{6}$, $\frac{1}{6}$, $\frac{2}{6}$

ANSWER _____

5 Fill in the blank: ____/ $8 = \frac{1}{4}$

ANSWER _____

6 Write $<$, $>$, or $=$. $\frac{6}{10}$ ____ $\frac{8}{10}$

ANSWER _____

APPLY IT Show your work

- 1** Ava and Ben have same-size granola bars. Ava eats $\frac{1}{4}$ of her bar. Ben eats $\frac{2}{4}$ of his bar. Who eats more?

WORK SPACE

ANSWER _____

- 2** In art class, Lian colors $\frac{1}{2}$ of a poster. Noor colors $\frac{4}{8}$ of an identical-size poster. Do they color the same amount?

WORK SPACE

ANSWER _____

CHALLENGE One step up

CHALLENGE

Put these fractions in order from least to greatest: $\frac{1}{4}$, $\frac{1}{2}$, $\frac{2}{4}$, $\frac{4}{8}$. Then explain which fractions are equivalent.

PART 1 • PRACTICE

#	PROBLEM	ANSWER
1	Write $<$, $>$, or $=$. $1/2$ ____ $1/4$	$>$
2	Write $<$, $>$, or $=$. $4/8$ ____ $1/2$	$=$
3	Which fraction is equivalent to $1/4$: $2/8$, $4/8$, or $1/8$?	$2/8$
4	Order from least to greatest: $4/6$, $1/6$, $2/6$	$1/6, 2/6, 4/6$
5	Fill in the blank: ____/8 = $1/4$	2
6	Write $<$, $>$, or $=$. $6/10$ ____ $8/10$	$<$

PART 2 • APPLY IT

1. **Ben eats more.** Both fractions have a denominator of 4. Since 2 is greater than 1, $2/4$ is greater than $1/4$.
2. **Yes, they color the same amount.** $1/2$ and $4/8$ are equivalent fractions. Each student colors one half of a same-size poster.

CHALLENGE

$1/4 < 1/2 = 2/4 = 4/8$. The fractions $1/2$, $2/4$, and $4/8$ are equivalent.

Accept equivalent comparison statements such as $1/2 = 4/8$. For the challenge, accept any clear explanation that identifies $1/2$, $2/4$, and $4/8$ as the same amount.