

Fraction Form Switch

Show the same amount in different fraction forms.

GRADE 3 • 3.NR.4.3

3.NR.4.3 "Represent fractions, including fractions greater than one, in multiple ways."

NAME _____

DATE _____

CHANGE THE FORM

A fraction can name part of a whole, one whole, or more than one whole. To change an improper fraction to a mixed number, make groups that are the size of the denominator. To change a mixed number to an improper fraction, change the whole numbers into equal fraction parts, then add the extra parts.

WORKED EXAMPLE

Write $13/7$ as a mixed number.

1. $13 \div 7 = 1$ with 6 left over.
2. Write 1 whole.
3. Put the 6 left over above 7: $1 \frac{6}{7}$.

Answer: $1 \frac{6}{7}$

PRACTICE 6 problems

1 Write $8/3$ as a mixed number.

ANSWER _____

2 Write $2 \frac{1}{5}$ as an improper fraction.

ANSWER _____

3 Write $6/9$ in simplest form.

ANSWER _____

4 Write $1 \frac{3}{8}$ as an improper fraction.

ANSWER _____

5 Write $10/2$ as a whole number.

ANSWER _____

6 Complete: $3/2 = \underline{\hspace{1cm}} + 1/2$.

ANSWER _____

APPLY IT Show your work

- 1** At an art club, Elena paints 4 whole posters and $\frac{2}{3}$ of another poster. Write the amount she paints as an improper fraction.

WORK SPACE

ANSWER _____

- 2** Jamal uses $\frac{17}{6}$ yards of ribbon to make team badges. Write this amount as a mixed number.

WORK SPACE

ANSWER _____

CHALLENGE One step up

CHALLENGE

A student says that $\frac{12}{4}$ and 3 are two ways to show the same amount. Is the student correct? Explain your reasoning.

PART 1 • PRACTICE

#	PROBLEM	ANSWER
1	Write $\frac{8}{3}$ as a mixed number.	2 $\frac{2}{3}$
2	Write $2\frac{1}{5}$ as an improper fraction.	$\frac{11}{5}$
3	Write $\frac{6}{9}$ in simplest form.	$\frac{2}{3}$
4	Write $1\frac{3}{8}$ as an improper fraction.	$\frac{11}{8}$
5	Write $\frac{10}{2}$ as a whole number.	5
6	Complete: $\frac{3}{2} = \underline{\hspace{1cm}} + \frac{1}{2}$.	1

PART 2 • APPLY IT

1. **$\frac{14}{3}$** Four wholes equal $\frac{12}{3}$. Add $\frac{2}{3}$ to get $\frac{14}{3}$.
2. **$2\frac{5}{6}$** Two groups of $\frac{6}{6}$ make 2 wholes. There are $\frac{5}{6}$ left.

CHALLENGE

Yes. $\frac{12}{4} = 3$ because 12 fourths make 3 groups of 4 fourths, and each group is 1 whole.

Accept equivalent fraction or mixed-number forms when the problem does not ask for a specific form. For problem 3, accept only $\frac{2}{3}$ because the prompt asks for simplest form.