

Convert the improper fractions to mixed numbers.
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## GUIDED PRACTICE

## LO: converting improper fractions to mixed numbers

Some will even find missing numerators and denominators. Some will use their knowledge of improper fractions to spot errors. Most will represent improper fractions and mixed numbers in a bar model.
All will understand how to convert improper fractions to mixed numbers.

## LearNing habit resilience.

Draw bar models to represent these fractions

7/3
8/3

Convert The improper fractions to mixed numbers. 10/5
10/6

$$
\begin{aligned}
& 8 / 4 \\
& 15 / 5
\end{aligned}
$$

Without working it out how do you know that these fractions represent whole numbers?

## INTELLIGENT PRACTICE.

Dive deeper 1

## Eva has 7 bottles of juice.

Each bottle contains half a litre of juice.


How many litres of juice does Eva have altogether?
Write your answer as a mixed number.

## Spot the mistake

- $\frac{27}{5}=5 \frac{1}{5}$
- $\frac{27}{3}=8$
- $\frac{27}{4}=5 \frac{7}{4}$
- $\frac{27}{10}=20 \frac{7}{10}$

What mistakes have been made?
Can you find the correct answers?

Dive deeper 3

Find the value of $\bigcirc$

$$
\frac{27}{0}=0 \frac{2}{0}
$$

Find two possible values for $\lambda$ and

$$
\frac{30}{\hbar}=\frac{\Delta}{\hbar}
$$

## DIVE DEEPERT先

Draw bar models to
represent
these fractions
7/3
8/3

## Convert The improper fractions to mixed numbers. 10/5 10/6

I know that they will represent whole
$\left.\begin{array}{ll}8 / 4 & \begin{array}{l}\text { numbers beccuse the } \\ \text { numerator is a }\end{array} \\ \text { multiplof of } \\ \text { denominator }\end{array}\right\}$ out how do you know that these fractions represent whole numbers?

$$
\begin{aligned}
& 10 / 5=2 \\
& 10 / 6=14 / 6
\end{aligned}
$$

## INTELLIGENT PRACTICE.

Dive deeper 2

## Spot the mistake

- $\frac{27}{5}=5 \frac{1}{5}$
- $\frac{27}{3}=8$
- $\frac{27}{4}=5 \frac{7}{4}$
- $\frac{27}{10}=20 \frac{7}{10}$

What mistakes have been made?
Can you find the correct answers?

Correct answers

- $5 \frac{2}{5}$ (incorrect number of fifths)
- 9 (incorrect whole)
- $6 \frac{3}{4}$ (still have an improper fraction)
- $2 \frac{7}{10}$ (incorrect number of wholes)

Dive deeper 3

Find the value of $\bigcirc$

$$
\frac{y=0}{8}=\frac{2}{0}
$$

Find two possible values for $\lambda$ and

$$
\frac{30}{t}=\Delta \frac{2}{t}
$$

Yellow circle $=5$
Red triangle $=7$ or 4
Red star $=7$ or 4

## DIVE DEEPER ANSWERS

