

Name _____

Fractions Greater Than One**Essential Question** When might you use a fraction greater than 1 or a mixed number?**UNLOCK the Problem** REAL WORLD

Troy uses $\frac{1}{4}$ of a box of clay to make one model of a car. How many boxes of clay does he use to make 5 model cars?

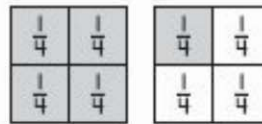
- How much clay does Troy use to make each model car?

- How many model cars does Troy make?

Make a model.

- Draw squares divided into fourths to show the boxes of clay. Shade $\frac{1}{4}$ for the amount of clay Troy uses for each of the 5 model cars.
- Count the number of shaded parts. There are _____ shaded parts.
- Write the fraction.

shaded parts
 parts in the whole

**Think:** $\frac{4}{4} = 1$

One whole and one fourth are shaded.

Write: $1\frac{1}{4}$

The number $\frac{5}{4}$ is a fraction greater than 1. A fraction greater than 1 can be written as a **mixed number**. A mixed number has a whole number and a fraction.

So, Troy uses $\frac{5}{4}$ or $1\frac{1}{4}$ boxes of clay to make 5 model cars.

Read Math

Read $1\frac{1}{4}$ as *one and one fourth*.

Math Talk

Why are $\frac{5}{4}$ and $1\frac{1}{4}$ equal?

Share and Show

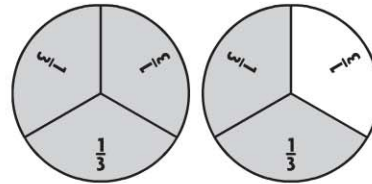


1. Each fraction circle is 1 whole. Write a mixed number for the parts that are shaded.

There are _____ parts shaded.

There are _____ equal parts in the whole.

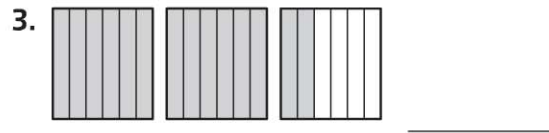
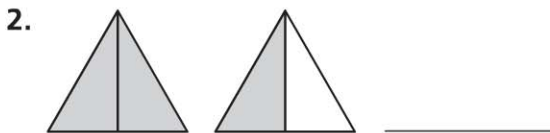
Fraction: $\frac{\square}{\square}$ shaded parts
 $\frac{\square}{\square}$ parts in a whole



There is _____ whole shaded and _____ thirds shaded.

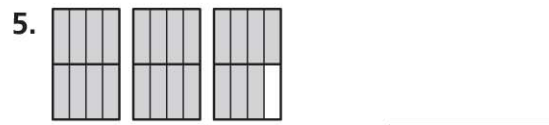
The mixed number is _____.

Each shape is 1 whole. Write a mixed number for the parts that are shaded.



On Your Own

Each shape is 1 whole. Write a mixed number for the parts that are shaded.



Problem Solving



6. Luis played $\frac{6}{4}$ games of soccer this season. How can you write the number of games Luis played as a mixed number?
- _____

7. Marci used $\frac{7}{3}$ packages of juice drinks. How can you write the number of packages of juice drinks Marci used as a mixed number?
- _____