

If I divide 16 ounces of Fun-Doh equally into 5 cans, each can gets 3 ounces.

But, there is an ounce left over.

What happens to the extra ounce?

5 $\overline{)16}$
 $\underline{15}$
 1

How much does a can of Fun-Doh weigh?



Each can holds the same amount. So, the last ounce is divided equally among the 5 cans.

Each can has an additional $1 \div 5 = \frac{1}{5}$ ounce.

So, there are $3 + \frac{1}{5} = 3\frac{1}{5}$ ounces of Fun-Doh in each can?



Yup. We can write the result of division as a fraction or a mixed number instead of a quotient and a remainder.

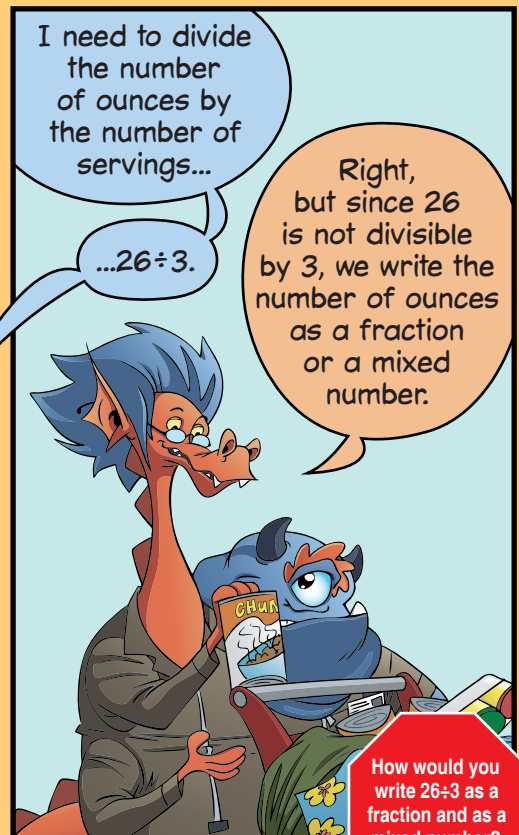
I'm gonna need to see another example.



Take a look at this can of soup.



It holds 26 ounces, and says it will serve 3 monsters. How many ounces are in each serving?

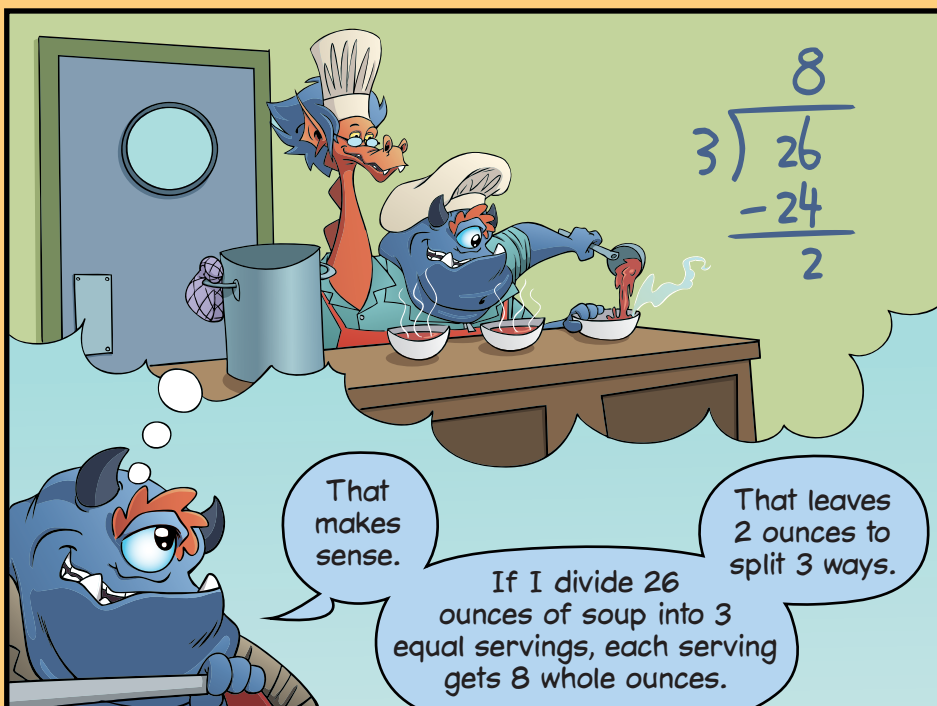
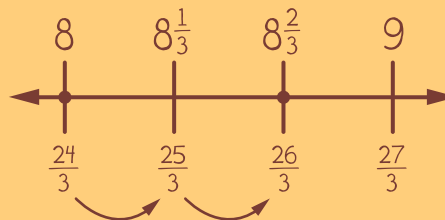
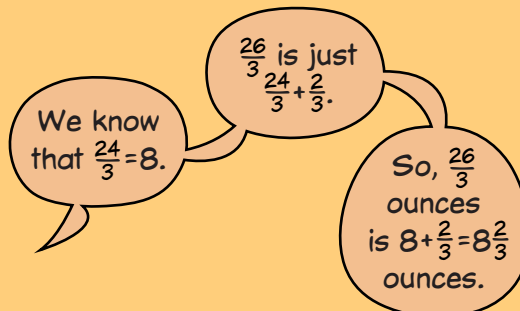


I need to divide the number of ounces by the number of servings...

... $26 \div 3$.

Right, but since 26 is not divisible by 3, we write the number of ounces as a fraction or a mixed number.

How would you write $26 \div 3$ as a fraction and as a mixed number?



That's great!

To convert $\frac{26}{3}$ into a mixed number, we can use the quotient and remainder of $26 \div 3$!

The quotient gives us the whole number part, and the remainder gives us the numerator of the fraction.

The denominator is the same as in the original fraction. $\frac{26}{3} = 8\frac{2}{3}$.

Try $\frac{80}{7}$.

$$\begin{array}{r} 8 \\ 3 \overline{) 26} \\ \underline{-24} \\ 2 \end{array}$$

$$8\frac{2}{3}$$

$80 \div 7$ has quotient 11 and remainder 3.

So, $\frac{80}{7} = 11\frac{3}{7}$.

$$\begin{array}{r} 11 \\ 7 \overline{) 80} \\ \underline{-77} \\ 3 \end{array}$$

$$\frac{80}{7} = 11\frac{3}{7}$$

Now we know how to change a fraction into a mixed number.

How do we change a mixed number back to a fraction?

I don't know, but I bet we can figure it out.

Let's try $3\frac{4}{5}$.

How would you write $3\frac{4}{5}$ as a fraction?

3 $3\frac{1}{5}$ $3\frac{2}{5}$ $3\frac{3}{5}$ $3\frac{4}{5}$ 4

$\frac{15}{5}$ $\frac{16}{5}$ $\frac{17}{5}$ $\frac{18}{5}$ $\frac{19}{5}$ $\frac{20}{5}$

$3\frac{4}{5}$ is $3 + \frac{4}{5}$.

And $3 = \frac{15}{5}$.

Sunglasses

So, $3\frac{4}{5} = \frac{15}{5} + \frac{4}{5} = \frac{19}{5}$.

