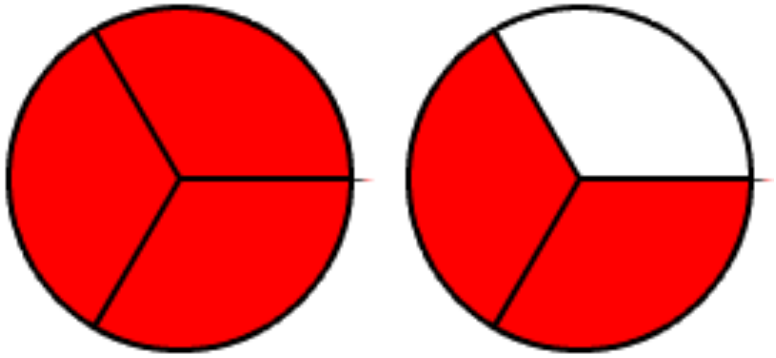
Fractions:
Mixed Form To Fraction Form

Introducing:

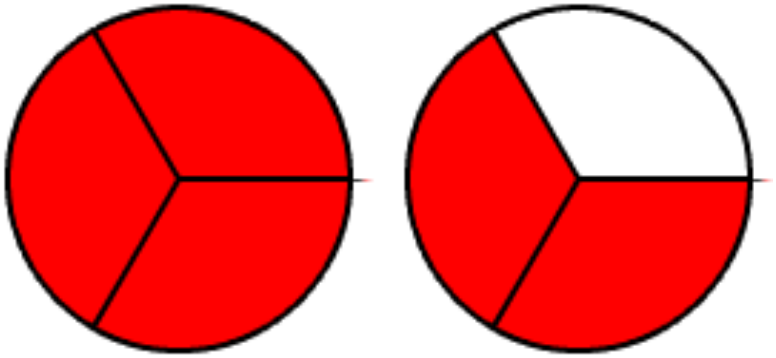
- fraction form
- mixed form



Mixed Form to Fraction Form.

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

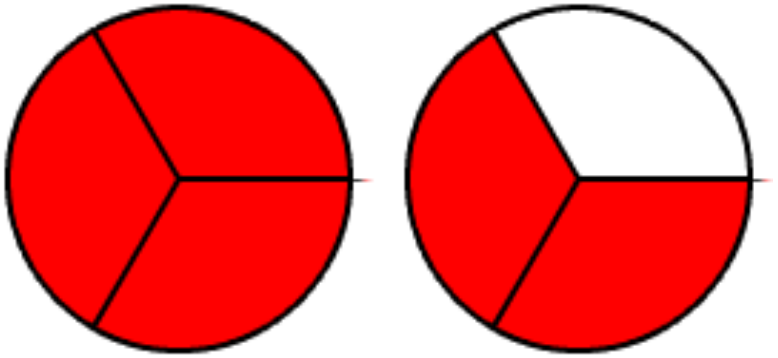
Mixed Form To Fraction Form



Mixed Form to Fraction Form.

$$1\ \frac{2}{3} = \frac{1X3+2}{3} = \frac{5}{3}$$

This picture shows the fraction $1\ \frac{2}{3}$. The complete circle on the left is selected and $\frac{2}{3}$ of the other circle is selected. A fraction such as $1\ \frac{2}{3}$ that has a whole number part and a fraction part is a *mixed number*.



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Every whole number or *mixed number* can be written in *fraction* ($\frac{\mathbf{a}}{\mathbf{b}}$) form.

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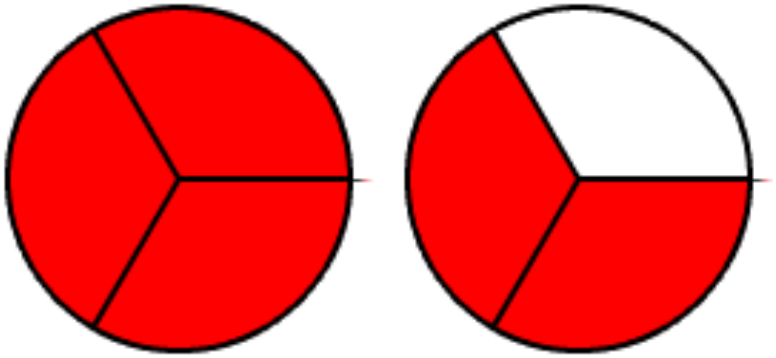
What does that mean?

Look at the circles below …



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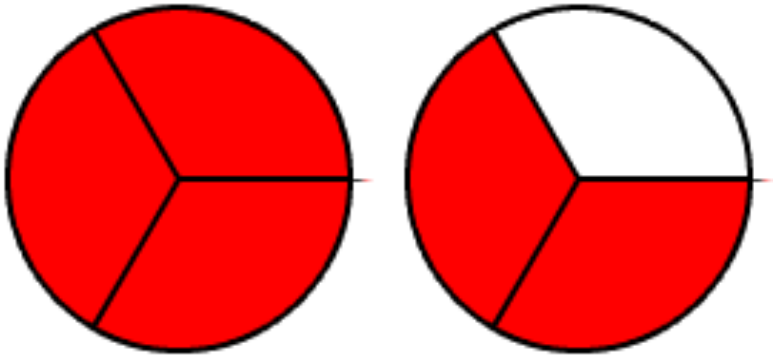
Each circle is divided into three parts. Each part is $\frac{1}{3}$
Add up all of the shaded parts and you get $\frac{5}{3}$. Count them and see.

The fraction form for $1\frac{2}{3}$ is $\frac{5}{3}$



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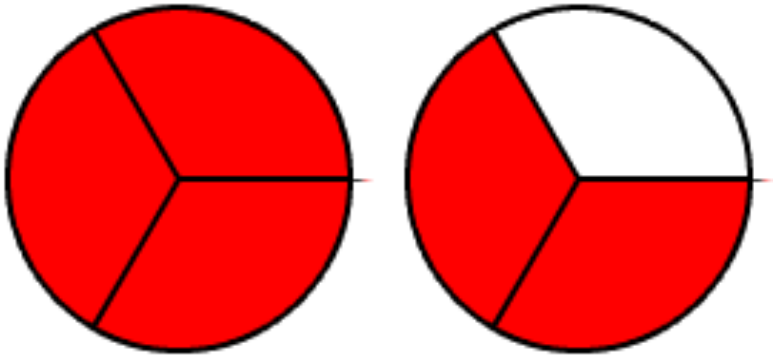
How to calculate fraction form



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You can calculate the fraction form for $1\ \frac{2}{3}$ by multiplying the whole number 1 by the denominator 3 and then adding the numerator 2 for a numerator of 5 in the *fraction* form.

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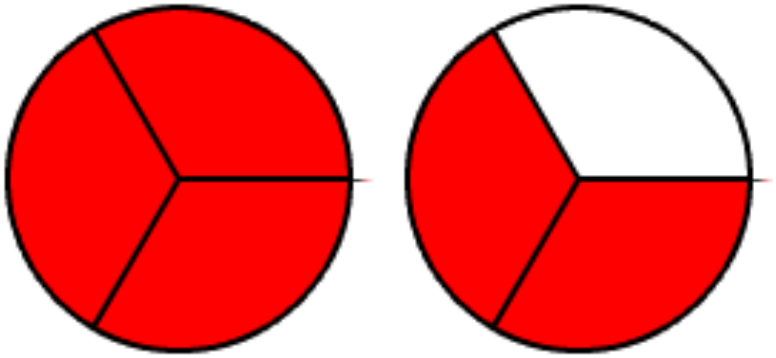

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Of course, you can look at the picture to see that there are 5 one-third units or $\frac{5}{3}$.

Also, you can think of the unit 1 as $\frac{3}{3}$. **A**dd $\frac{3}{3}$ to the partial unit $\frac{2}{3}$ for the *fraction* form $\frac{5}{3}$. This picture shows that $1\frac{2}{3} = \frac{3}{3} + \frac{2}{3} = \frac{5}{3}$.

MIXED FORM TO FRACTION FORM- AN EXAMPLE

Elu and Lallo made 7 pies, each with 4 pieces for the 11 people in their family. On their way home, Elu and Lallo got hungry and ate 5 whole pies plus two extra pieces from another whole pie. Is there enough pieces to feed each member of their family?

So Elu and Lallo ate 5 whole pies and 2 slices from one whole pie:

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

Now to rewrite that as a fraction:

$$\frac{5x4+2}{4} = \frac{22}{4}$$

Because they bought 7 pies with 4 pieces, it can be written in fraction form as:

$$\frac{7x\ 4}{4} = \frac{28}{4}$$

We can go ahead and subtract the fraction they ate from the total now:

$$\frac{28}{4} - \frac{22}{4} = \frac{6}{4}$$

So out of the 28 fourths of a pie, there were only 6 fourths left and because they have 11 people in their family we conclude that there is not enough pie for everyone.

We also conclude that Elu and Lallo are a couple of giant hogs