## Mixed Form to Fraction Form

Introducing:
-mixed fraction
-fraction form
-Improper fraction


WHOLE OR MIXED FORM

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



TO FRACTION FORM
$=\frac{5}{3}$

## Mixed Form To Fraction Form 1



WHOLE OR MIXED FORM

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



TO FRACTION FORM
$=\frac{5}{3}$

This picture shows the fraction $1 \frac{2}{3}$. The complete circle on the left is selected and $2 / 3$ 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 fraction.

## Mixed Form To Fraction Form 2



WHOLE OR MIXED FORM
TO FRACTION FORM

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

Every whole number or mixed fraction can be written in fraction $(\mathrm{a} / \mathrm{b})$ form. You can calculate the fraction form for $12 / 3$ 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.

## Mixed Form To Fraction Form 3



WHOLE OR MIXED FORM
TO FRACTION FORM

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

The picture shows that there are 5 one-third units or $5 / 3$. Also, you can think of the unit 1 as $3 / 3$. Add $3 / 3$ to the partial unit $2 / 3$ for the fraction form $5 / 3$. This picture shows that $12 / 3=3 / 3+2 / 3=5 / 3$.

Some texts call the fraction form an improper fraction. This is misleading because there is nothing improper about $5 / 3$.

## Mixed Form To Fraction Form 4



WHOLE OR MIXED FORM
TO FRACTION FORM

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

The same amount, $1^{2 / 3}$, is shown with a number line.

## Mixed Form To Fraction Form 5



WHOLE OR MIXED FORM
TO FRACTION FORM

$$
3 \frac{1}{4}=\frac{3 \times 4+1}{4}=\frac{13}{4}
$$

The amount shown at the arrow can be written as $31 / 4$ or $13 / 4$. Notice that there are 13 marks from zero to the arrow.

## Mixed Form To Fraction Form 6



WHOLE OR MIXED FORM
$2 \frac{5}{8}$


TO FRACTION FORM
$;=\frac{21}{8}$

Multiply the whole number 2 by the denominator 8 .
Then add the numerator 5 for the fraction numerator 21.

This picture shows the mixed fraction $25 / 8$. If you were to count all the parts that are colored you would have a total of 21 parts, giving the numerator for the fraction $21 / 8$.

## Mixed Form To Fraction Form 7



WHOLE OR MIXED FORM

$$
2 \frac{5}{8} \quad ; \quad=\frac{21}{8}
$$

Multiply the whole number 2 by the denominator 8 .
Then add the numerator 5 for the fraction numerator 21.

Since each unit or circle has 8 parts, each completely colored circle can be written as $8 / 8$. This gives us $8 / 8+8 / 8+5 / 8$ circles for $21 / 8$ circles.

## Mixed Form To Fraction Form 8



WHOLE OR MIXED FORM

$$
2 \frac{5}{8} \quad=\frac{2 \times 8+5}{8}=\frac{21}{8}
$$

Multiply the whole number 2 by the denominator 8.
Then add the numerator 5 for the fraction numerator 21.

Or you can multiply the whole number 2 times the denominator 8 and then add the numerator 5 for a numerator of 21 in the fraction form.

## Mixed Form To Fraction Form 9



Whole Number Form to Fraction Form.

$$
4=\frac{4 \times 1+0}{1}=\frac{4}{1}
$$

To write the whole number 4 in fraction form simply write the whole number 4 over the denominator 1 .

## Mixed Form To Fraction Form 10

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

What is in $3 \mathbf{3 / 5}$ fraction form?

## Mixed Form To Fraction Form 11



WHOLE OR MIXED FORM


TO FRACTION FORM


Multiply the whole number 3 by the denominator 5 .
Then add the numerator 3 for the fraction numerator 18.

## Mixed Form To Fraction Form 12

What is in 3 fraction form?

## Mixed Form To Fraction Form 13



Multiply the whole number 3 by the denominator 1 . Then add the numerator 0 for the fraction numerator 3 .

