Lesson-11

Fraction



Rongbong climbed the guava tree to pluck some guavas . There was only one guava on the tree. He plucked the guava. His sister was waiting beneath the tree. At that moment their mother came out and saw the guava in Ronbong's hand. She asked him to share the guava equally with his sister.



Rongbong divided the guava equally into two halves. He gave one half to his sister and ate the other half himself.





Let us learn



When anything is divided into two equal parts, each part is called half (1/2)

Instruction to the teacher : Ask the students to sit in groups and let them divide different things into two equal halves.

Look at the pictures



In each picture out of two parts. one part(1/2) is coloured and the other part (1/2) is not coloured.

Colour $\frac{1}{2}$ part of the picture

Divide the collection of objects in the picture into two halves



When a group of objects is divided into two equal parts, each part is called half.

Let us do



Let us learn

When something is divided into two equal parts, each part is called half (1/2)

Put a (🗸) on the pictures where half part is shaded



Let us divide

Mariyam cut a bread into 3 equal parts



Circle 1 part of 3 parts of the collection of objects



Let us do



ke a piece (paper Fold the paper into three equal parts

Unfold the paper. Draw a line at the crease

Let us learn

When something is divided into three equal parts, each part is called one third or $\frac{1}{3}$

Let us divide

On Mushtaq's Birthday, his mother cut a cake into 4 equal parts. She gaves a piece of cake to each of his four friends. Each one of them got one part of four parts of he cake.





Let us look at 1/4 of the following objects





Colour ($\frac{1}{4}$) of the following figures



Let us do



Let us do



The coloured parts is $\frac{3}{4}$ Colour $\frac{3}{4}$ of the following figures



Colour the figure as given



Let us do

• Take a square piece of paper. Fold it into two equal halves. Unfold the paper. Colour the left hand side of the paper. How many parts of the paper did you colour ? _____



Now fold the paper again into 4 equal parts as shown.
Unfold the paper. Put × sign in 2 of the parts.
In how many parts of the paper did you put the × sign ? _____

What did you get?

 $\frac{1}{2}$ and $\frac{2}{4}$ are the same parts of the paper. Are they not?

That means
$$\frac{1}{2} = \frac{2}{4}$$



$\times \times \times \times$	
$\times \times \times \times$	

• Now fold the paper into 8 equal parts . Unfold the paper. Put a . sign in 4 parts of the paper

In how many parts of the paper did you put . sign ? _____ What did you get?

	a • 51511
.×.×.×.×.	
.×.×.×.×.	
.×.×.×.×.	
.×.×.×.×.	
.×.×.×.×.	
.×.×.×.×.	
.×.×.×.×.	
.×.×.×.×.	

$$\frac{1}{2}$$
, $\frac{2}{4}$ and $\frac{4}{8}$ are the same parts of the paper. Are they not?
That means, $\frac{1}{2} = \frac{2}{4} = \frac{4}{8}$
Hence $\frac{1}{2}$, $\frac{2}{4}$, $\frac{4}{8}$ are equivalent fraction

That means,
$$\frac{1}{2} = \frac{2}{4} = \frac{4}{8}$$

Hence $\frac{1}{2}$, $\frac{2}{4}$, $\frac{4}{8}$ are equivalent fraction

Let us learn





Write in fractions how many parts of the collection of objects are coloured



Match the following fractions



<u>6</u> 8 <u>3</u> 4 $\frac{2}{4}$ $\frac{1}{2}$ = $\frac{1}{3}$ $\frac{2}{6}$ $\frac{2}{8}$ = = $\frac{2}{6}$ $\frac{3}{4}$ $\frac{6}{8}$ = <u>8</u> 10 <u>4</u> 6 $\frac{4}{5}$ $\frac{2}{3}$ = =

Colour the figures according to the given equivalent fraction





Let us find out how many parts of the garden have the following flowers

Sun flower $\frac{3}{8}$ parts of the gardenNayantara flower.......... parts of the gardenRose flower parts of the gardenMarigold flower. parts of the garden

