

ACTIVITY-11

DECIMALS

CONVERSION OF FRACTIONS INTO DECIMALS

1. **What we have to do?**

To convert fractions into decimals.

2. **What is required?**

Grid paper and colours.

3. **How much time required for this activity?**

30-40 minutes.

4. **What do you need to know?**

Concept of Fractions and meaning of Decimal.

5. **How will you proceed?**

- Take a 10 x 10 grid paper, where each small square of the grid will represent one-hundredth ($\frac{1}{100}$) which can be written as 0.01 in the decimal form.
- Consider, 37 parts out of 100 i.e., ($\frac{37}{100}$).
- Now, shade chosen number of parts to get its decimal form.



6. What have you observed?

- How many number of unit squares are shaded in the grid?
- The shaded portion in the grid represents the decimal as _____.

7. What have you learnt?

8. What you have to do as extended activity?

- $\frac{15}{25}$ of the class like football and $\frac{8}{10}$ of the class like basketball. Convert both fractions of the class into decimals. Which sport is liked by the most number of students?

9. Real Life Application:

Decimals are used every day while dealing with money, weight, length etc. They are also used in situations where more precision is required.