



## DECIMALS

### 'Tenths, Hundredths and Thousandths'

Lets understand the concept of decimals.

**TENTHS:** When we divide one whole (square) in 10 equal parts,

$$1 \text{ part} = 1 \text{ tenths}$$

$$\text{and } 1 \text{ tenth} = \frac{1}{10} = 0.1$$

$$\rightarrow 1 \text{ whole} = 10 \text{ tenths}$$

similarly, 6 tenths = 0.6 , 7 tenths = 0.7 etc

**HUNDREDTHS:** When we divide one whole in 100 equal parts,

$$1 \text{ part} = 1 \text{ hundredth}$$

$$\text{and } 1 \text{ hundredth} = \frac{1}{100} = 0.01$$

$$\rightarrow 1 \text{ whole} = 100 \text{ hundredths}$$

similarly, 6 hundredths = 0.06 , 9 hundredths = 0.09

11 hundredths = 0.11 ( 11 hundredths has 1 tenth and 1 hundredths)

**THOUSANDTHS:** When we divide one whole in 1000 equal parts,

$$1 \text{ part} = 1 \text{ thousandth}$$

$$\text{and } 1 \text{ thousandth} = \frac{1}{1000} = 0.001$$

$$\rightarrow 1 \text{ whole} = 1000 \text{ thousandths}$$

similarly, 2 thousandths = 0.002 , 5 thousandths = 0.005

23 thousandths = 0.023, 743 thousandths = 0.743