



## One-Fifth, One-Sixth ....., One-Tenth

### Understanding Notes

- Fractions like one-fifth, one-sixth up to one-tenth show one part out of many equal parts
- These are written as  $\frac{1}{5}, \frac{1}{6}, \frac{1}{7}, \frac{1}{8}, \frac{1}{9}$ , and  $\frac{1}{10}$
- The numerator is always 1 because we are talking about one part
- The denominator tells how many total parts the whole is divided into
- As the denominator increases, the size of each part becomes smaller
- $\frac{1}{5}$  means one part out of five equal parts
- These fractions are called unit fractions
- Unit fractions are used in dividing objects, food, or shapes equally
- It is important to make sure the parts are equal to be a proper fraction
- These fractions help in understanding smaller parts of a whole

### Examples with Solutions

**Example 1:** What is one-fifth of a chocolate bar divided into 5 equal pieces

**Solution:** One-fifth =  $\frac{1}{5}$ . It means taking 1 out of 5 equal parts

**Example 2:** Color one-sixth of a rectangle divided into 6 equal parts

**Solution:** Shade 1 part out of 6. The shaded part =  $\frac{1}{6}$

**Example 3: Word Problem**

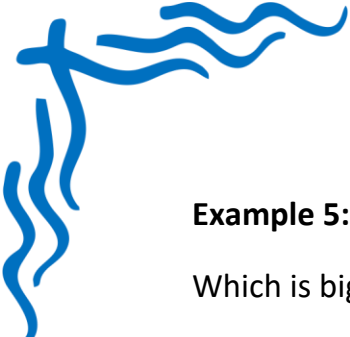
A cake is cut into 8 equal slices. Rahul eats one slice. What part of the cake did he eat

**Solution:** He ate  $\frac{1}{8}$  of the cake

**Example 4: Fill in the blank**

One part out of 10 equal parts is called \_\_\_\_\_

**Solution:**  $\frac{1}{10}$  or one-tenth



### Example 5: Compare

Which is bigger:  $\frac{1}{5}$  or  $\frac{1}{9}$

**Solution:**  $\frac{1}{5}$  is bigger because the parts are fewer and hence each part is larger

### Summary Point

- Fractions like  $\frac{1}{5}$  to  $\frac{1}{10}$  show one part of equally divided items
  - They are called unit fractions
  - The bigger the denominator, the smaller the part
  - Used in sharing, dividing and measuring equal parts
  - Understanding these helps in reading and solving daily life fraction problems
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