

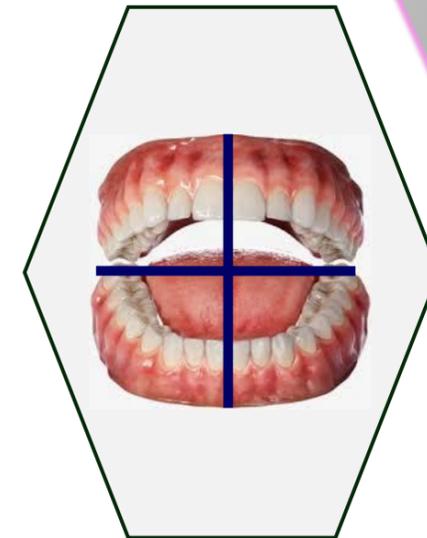
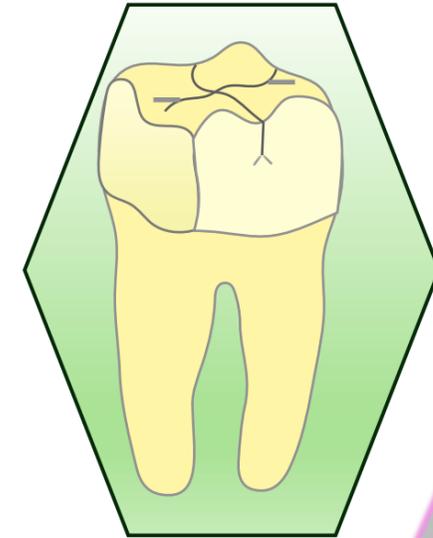
# Introduction to Dental Anatomy

## **Lecture 3**

## **Numbering System**

Dr. Sherif Hassan

August 26, 2024



# Numbering Systems of Teeth

## Definition:

It is a system used to identify the tooth category:

1. Type of tooth (permanent or deciduous).
2. Type of tooth (maxillary or mandibular).
3. Type of tooth (right or left).
4. Type of tooth (central or lateral) (1<sup>st</sup>, 2<sup>nd</sup> or 3<sup>rd</sup>).
5. Type of tooth (incisor, canine, premolar, or molar).

# 1- Palmer Notation System

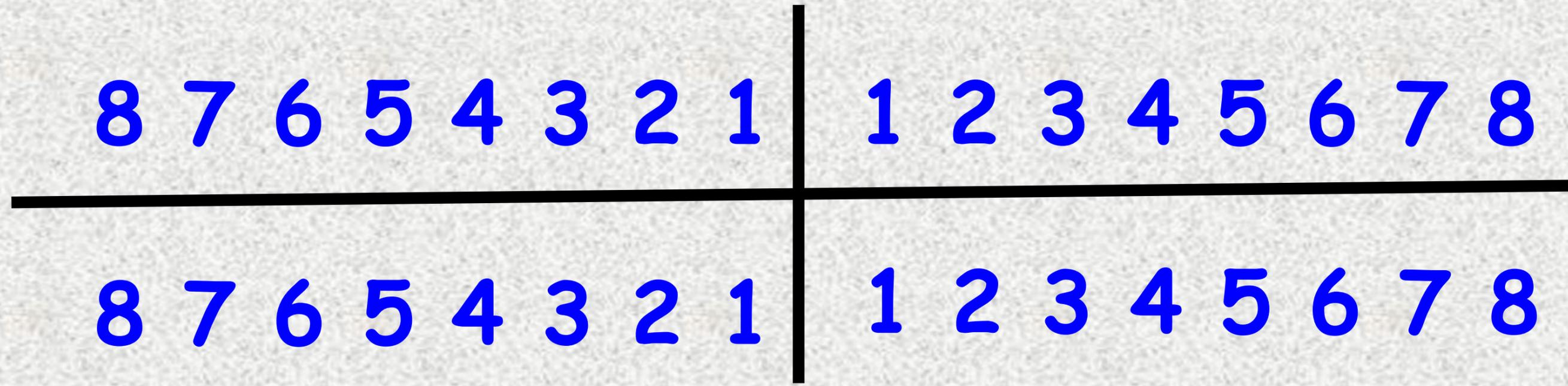
## Definition:

Palmer Notation System is a system used to identify the tooth.

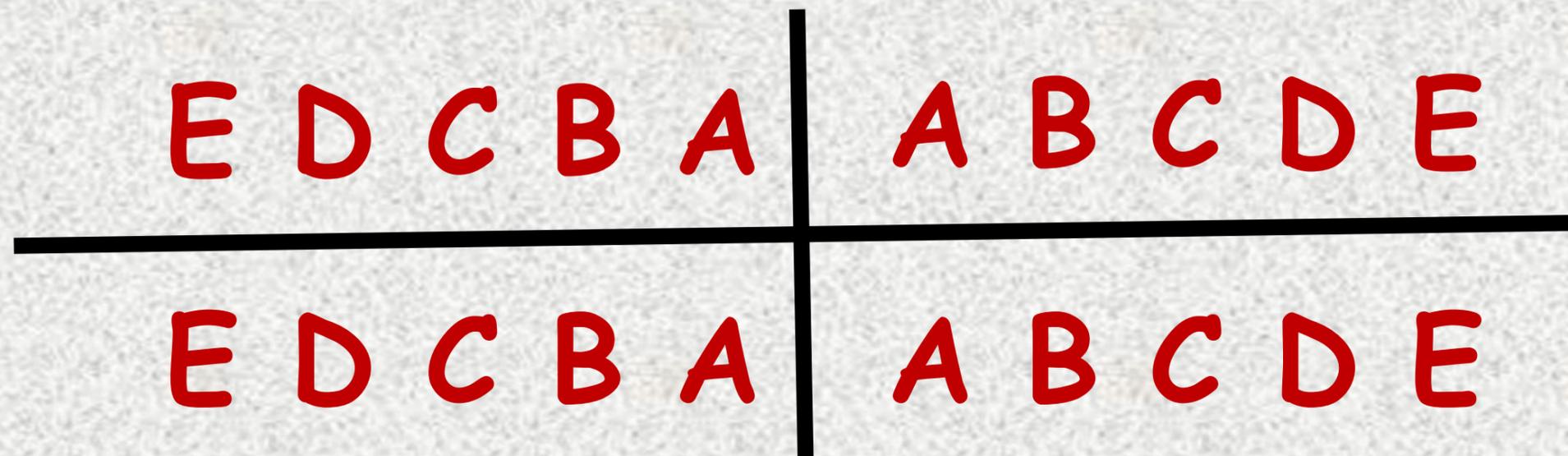
## This system use:

1. Vertical midline.
2. Horizontal line forming the cross shape.
3. Number in permanent teeth begin from **central incisor as number 1**, and the number **8 is the third molar**.
4. Letter in deciduous Teeth begin from capital letter **A for central incisor**, to letter **E for second deciduous molar**.

# Palmer Notation System For Permanent Teeth

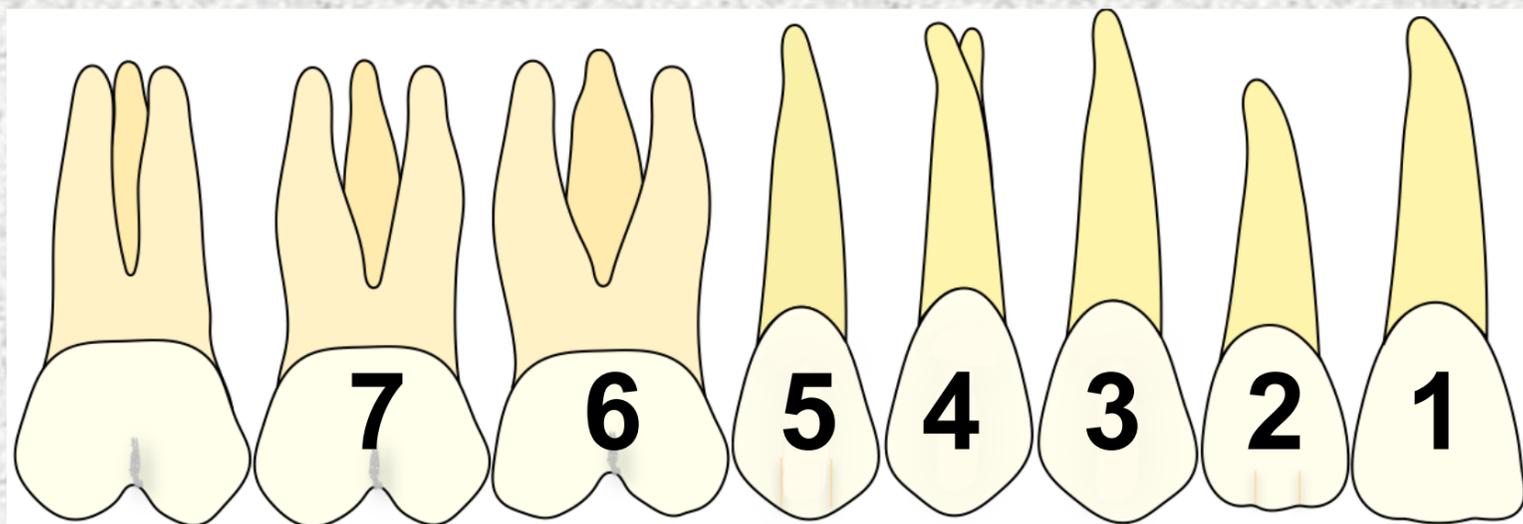


# Palmer Notation System For Deciduous Teeth

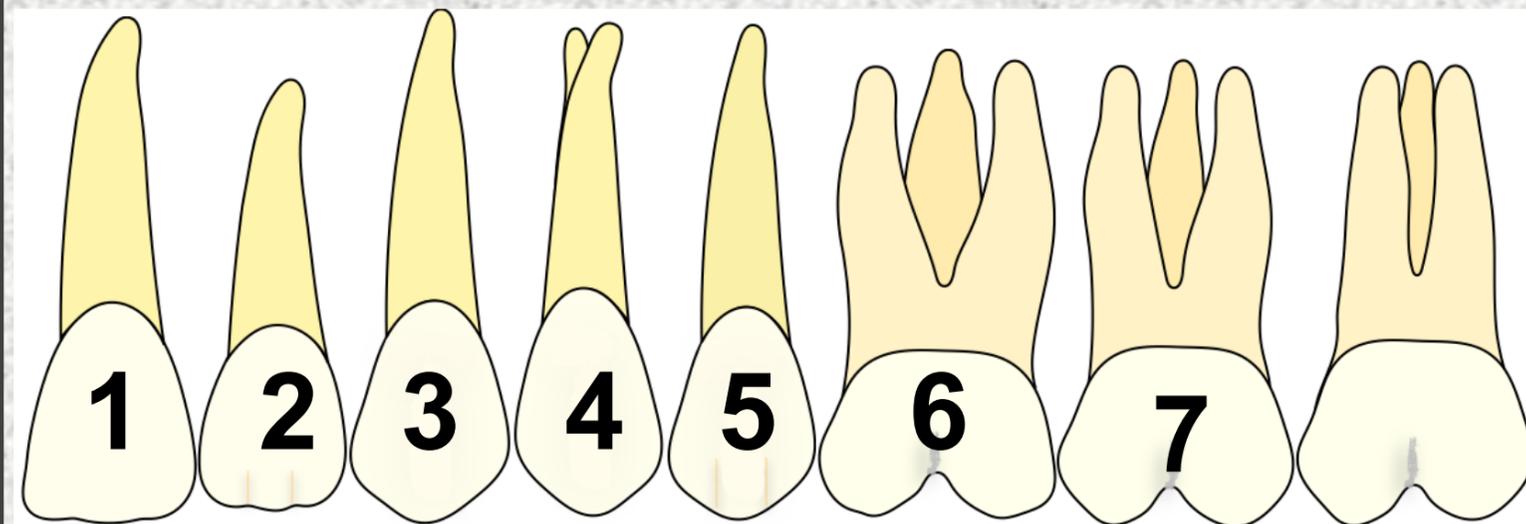


# Palmer Notation System For Permanent Teeth

Upper Right



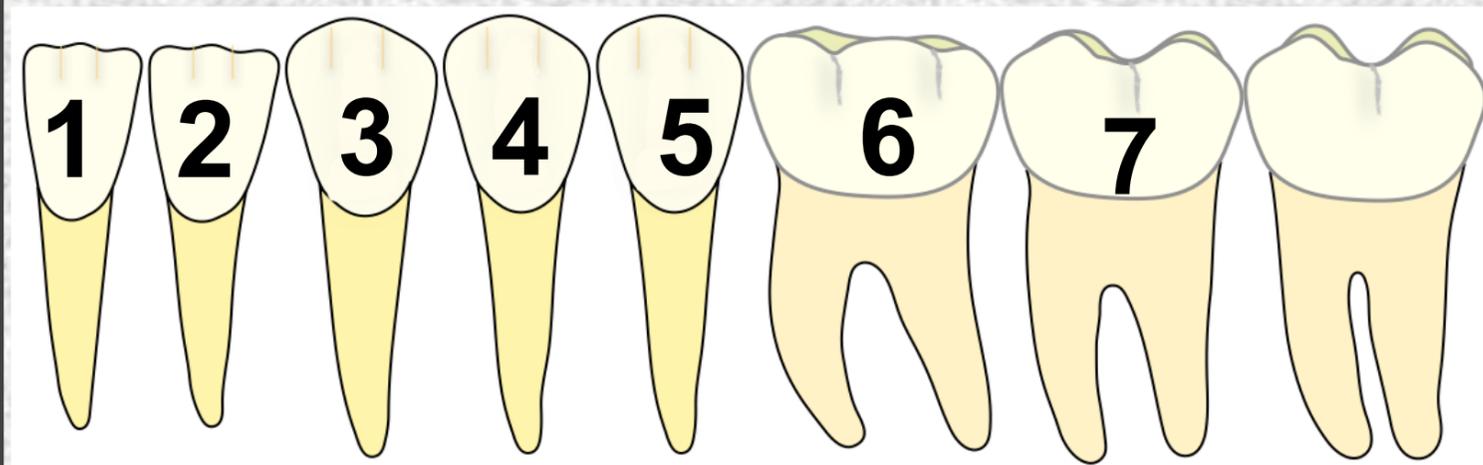
Upper Left



Lower Right



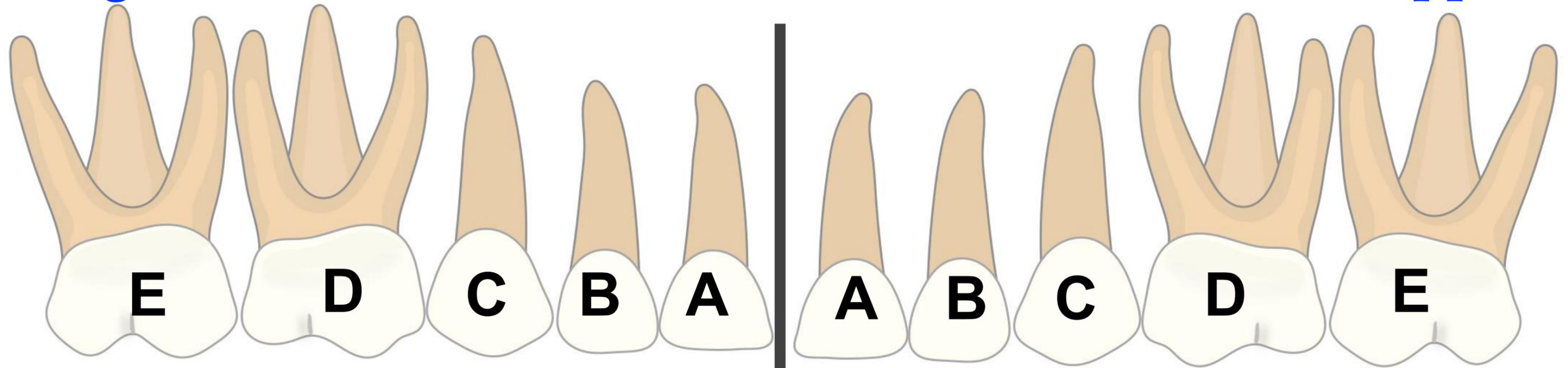
Lower Left



# Palmer Notation System for Deciduous Teeth

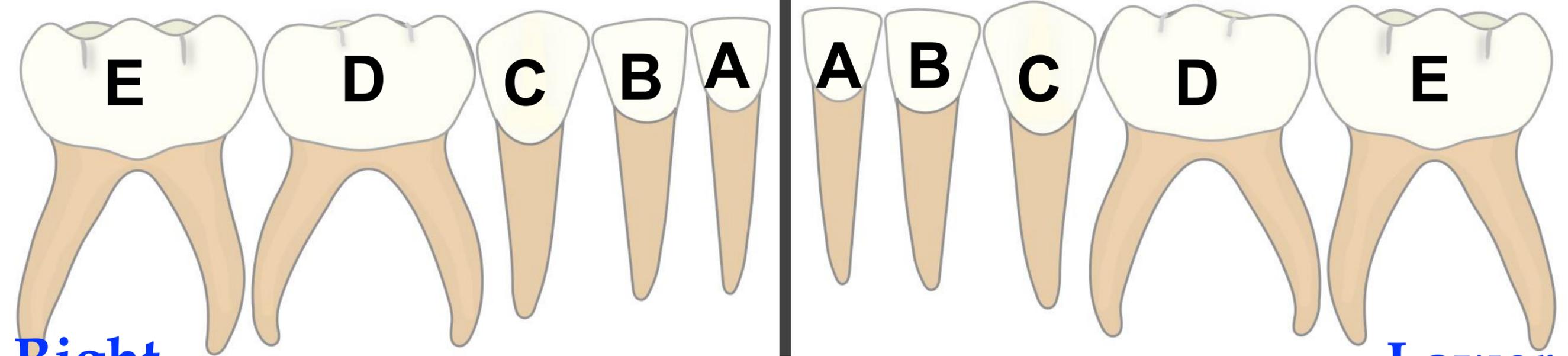
Upper Right

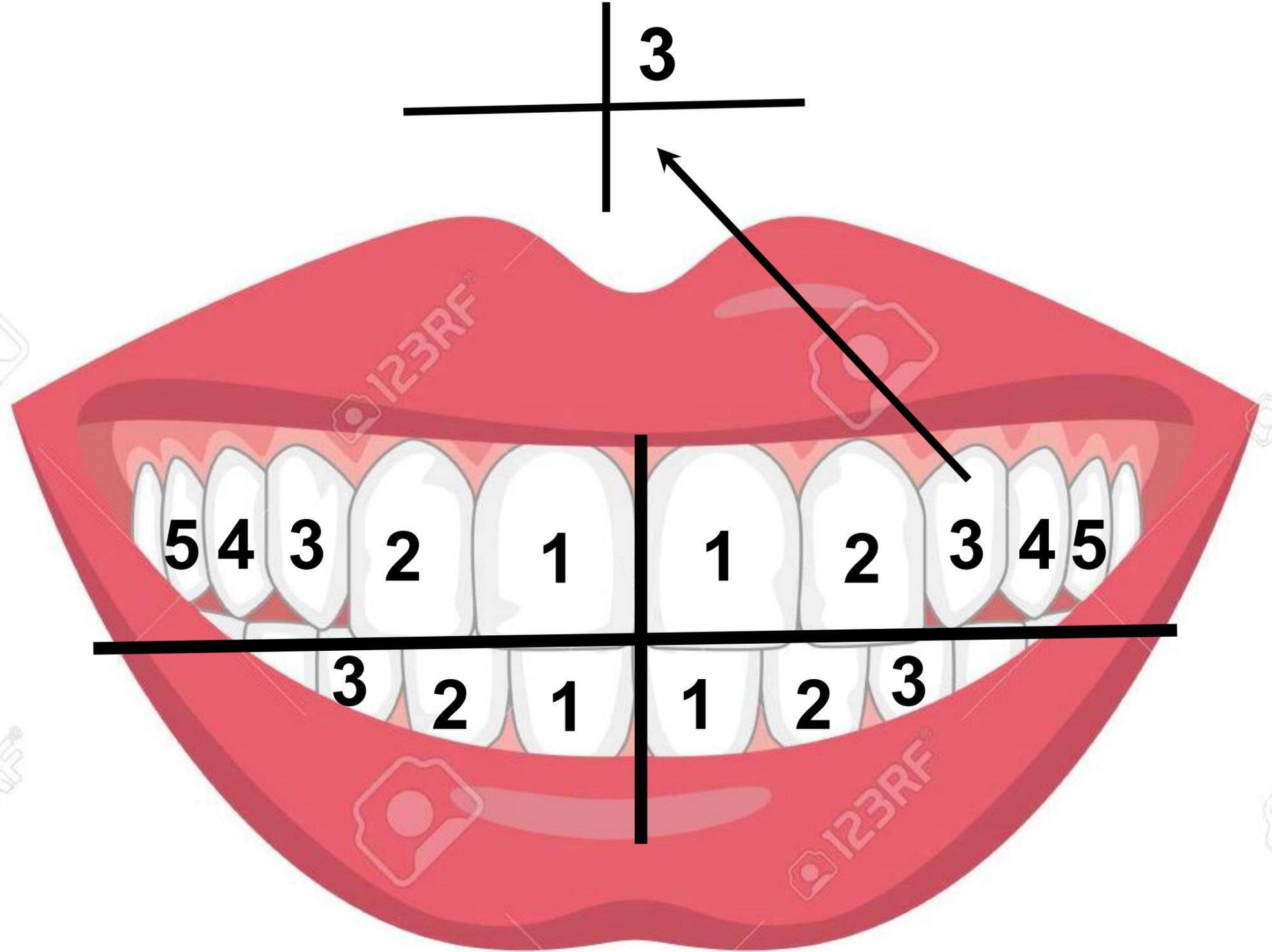
Upper Left



Lower Right

Lower Left





# Examples:

**6** = **6** = **Maxillary right first permanent molar**

**B** = **B** = **Mandibular left lateral deciduous incisor**

## 2. Two Digit System (FDI system) = International System

### Definition:

Two digit System is a system used to identify the tooth by using **two numbers**.

### These numbers are:

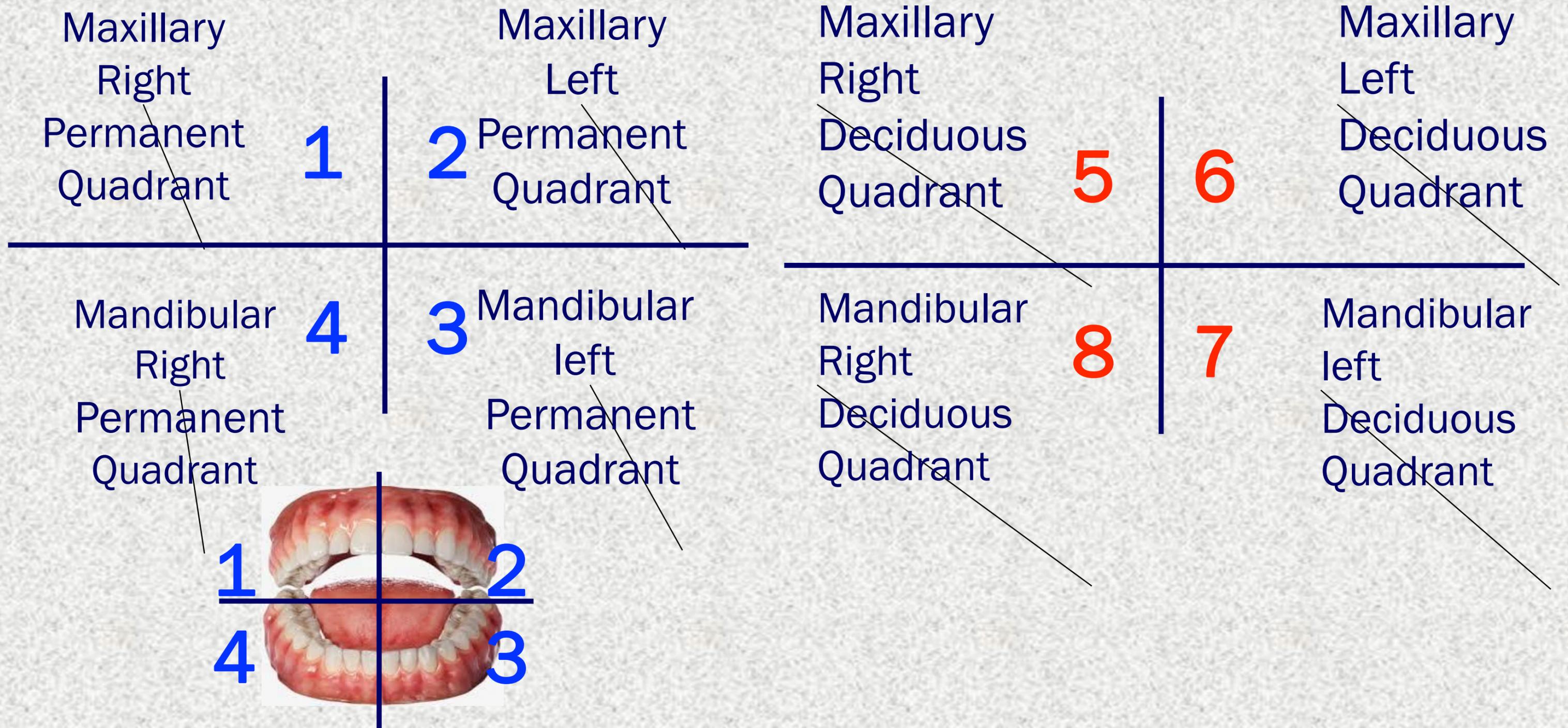
#### 1. The first digit is the number of quadrant.

- For **permanent teeth**: Quadrant number **1** is the upper right quadrant. The number of quadrants turned in clock wise direction in which the number **2** is the upper left, **3** is the lower left, and **4** is the lower right.
- For **deciduous teeth**: Quadrant number **5** is the upper right quadrant. The number of quadrants turned in clock wise direction in which the number **6** is the upper left, **7** is the lower left, and **8** is the lower right.

#### 2. The second digit is the number of tooth:

- For **permanent teeth**: from central incisor **1-----8**
- For **deciduous teeth**: from central incisor **1----5**

# First digit:



## Second Digit For Permanent Teeth

18 17 16 15 14 13 12 11

21 22 23 24 25 26 27 28

48 47 46 45 44 43 42 41

31 32 33 34 35 36 37 38

## Second Digit For Deciduous Teeth

55 54 53 52 51

61 62 63 64 65

85 84 83 82 81

71 72 73 74 75

- Examples:

84 : Eight four is the Mandibular right first deciduous molar.

35 : Three five is the Mandibular left second premolar.

Note that: Each number must vocalize separately.

# 3- Universal System

## Definition:

Universal System is a system used to identify the tooth .

## This system use:

1. Number in permanent teeth: Begin from **Maxillary Right Third Molar as (1)**, turned in clock-wise direction and end at **Mandibular Right Third Molar as (32)**.
2. Letter in deciduous Teeth: Begin from **Maxillary Right second Deciduous Molar as (A)**, and turned in clock-wise direction which end at the **Mandibular Right Second Deciduous Molar as (T)**.
3. Write # : Beside the number or letter to differentiate it from the other systems.

## Universal System Of Permanent Teeth

1 2 3 4 5 6 7 8 | 9 10 11 12 13 14 15 16

32 31 30 29 28 27 26 25 | 24 23 22 21 20 19 18 17

## Universal System Of Deciduous Teeth

A B C D E | F G H I J

T S R Q P | O N M L K

- Examples:

**Q#** : Mandibular Right lateral Deciduous Incisor.

**21#** : Mandibular Left First Premolar.