

**SESSION : 9**  
**CLASS : V**  
**SUBJECT : MATHEMATICS**  
**CHAPTER NUMBER: 3**  
**CHAPTER NAME : INTERNATIONAL NUMBER SYSTEM**  
**SUBTOPIC : INTERNATIONAL PLACE VALUE CHART**  
**EXERCISE-3 Q.NO.1**

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**CHANGING YOUR TOMORROW**

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# LEARNING OBJECTIVE

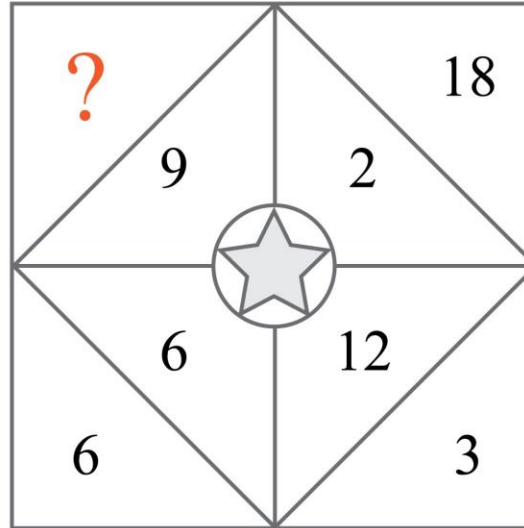


# Students will be able to understand the international number system and represent the numbers in a place value chart.

# Also will be able to write the numeral and number name shown on the abacus.

# IQ Puzzle 1

Which number is missing?



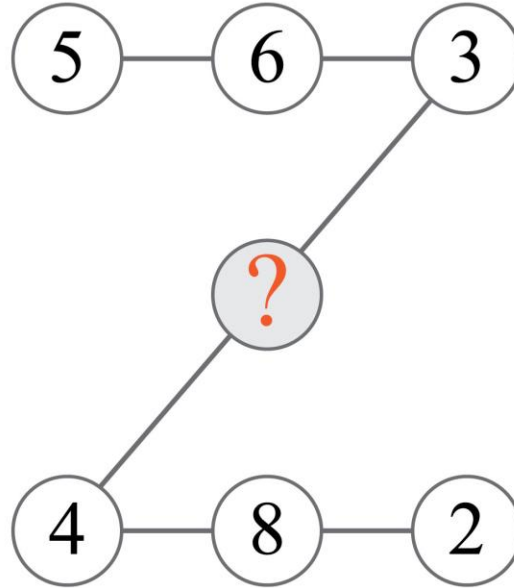
**Answer : 4**

Each number pair multiplies to 36.



# IQ Puzzle 2

Which number completes the pattern?



**Answer : 7**

Trick: Each row of numbers adds up to 14.



# International Number System



Another form of place-value system is the International System of Numeration. In this system, the periods are : Ones, Thousands and Millions.

In the International place-value chart, we group digits of the number in periods of three digits each or we can say that each period has 3 places.

Look at the international place-value chart to understand this better :

# International place-value chart

In Indian number system we have lakhs, crores etc.as periods.In international number system, instead of lakh and crore, we have million, billion etc.

	<b>Indian System</b>	<b>International System</b>
6-digit numbers	1 lakh = 1,00,000	100 thousand = 100,000
7-digit numbers	10 lakh = 10,00,000	1 million = 1,000,000
8-digit numbers	1 crore = 1,00,00,000	10 million = 10,000,000
9-digit numbers	10 crore = 10,00,00,000	100 million = 100,000,000
10-digit numbers	100 crore = 100,00,00,000	1000 million or 1 billion = 1,000,000,000

## Place-value chart according to the International system

Periods	Millions Period			Thousands Periods			Ones Period		
Places	Hundred Millions	Ten Millions	Millions	Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones
Place values	100,000,000	10,000,000	1,000,000	100,000	10,000	1,000	100	10	1
Digits	9-digits	8-digits	7-digits	6-digits	5-digits	4-digits	3-digits	2-digits	1-digits

# International place-value chart



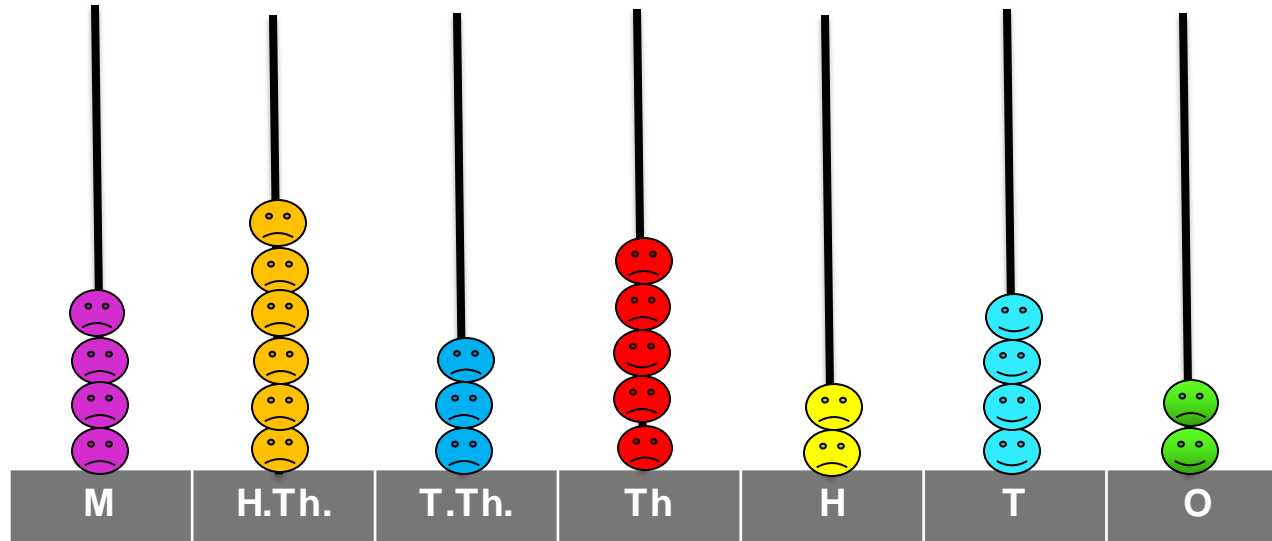
An 8-digit number begins at ten million place.

A 9-digit number begins at the hundred millions place.

To represent an eight 8 or a 9-digit number a place-value chart is divided into three periods.



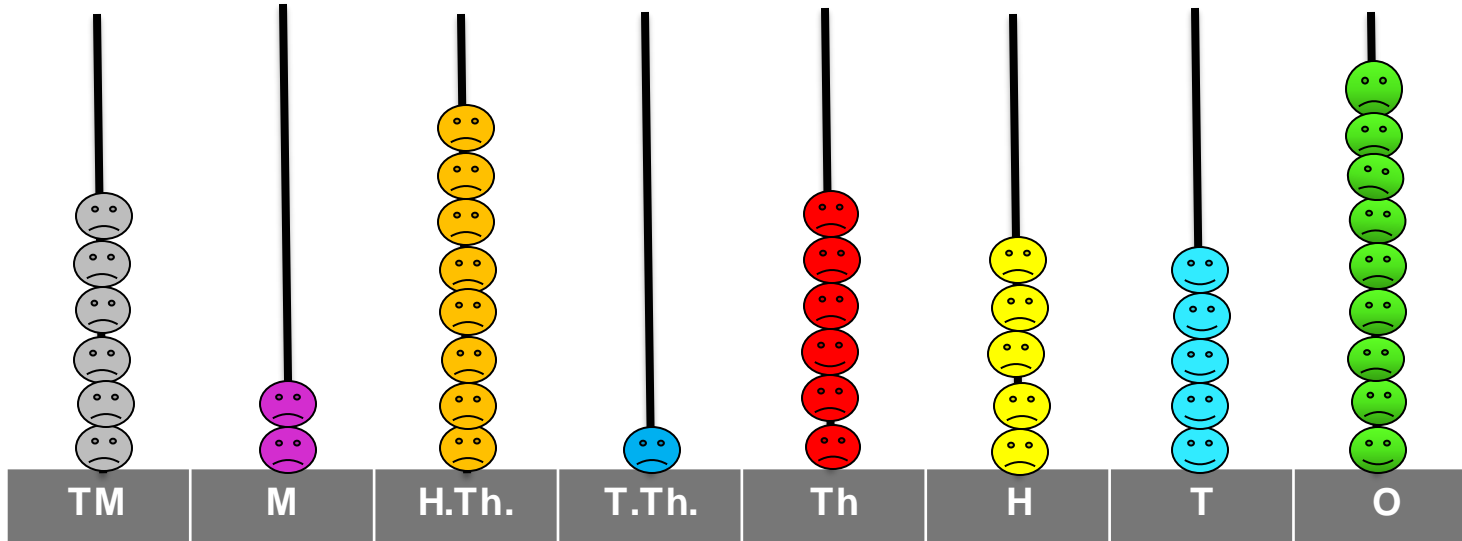
**EXAMPLES :** Write in the International system of numeral and the number name that each diagram represents.



**Numeral:** 4,635,242

**Number Name:** Four million six hundred thirty five thousand two hundred forty two.

**EXAMPLES :** Write in the International system of numeral and the number name that each diagram represents.

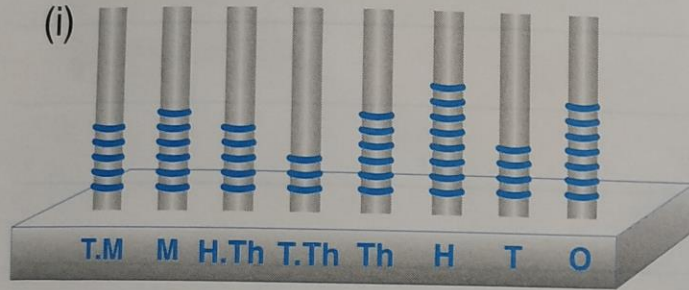


**Numeral:** 62,816,559

**Number Name:** Sixty two million eight hundred sixteen thousand five hundred fifty nine.

## EXERCISE - 3

1. Write the numeral and number name each diagram (abacus) represents in international system.

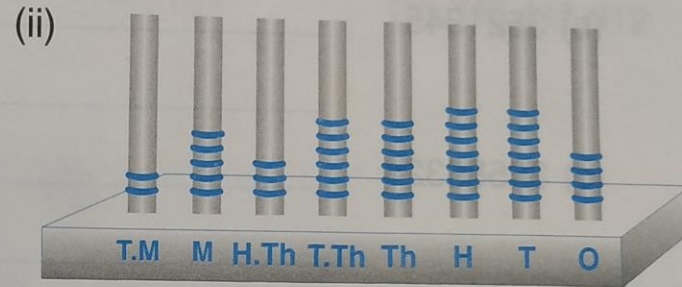


Numeral : \_\_\_\_\_

**56,536,847**

Number Name : \_\_\_\_\_

**Fifty six million five hundred thirty six thousand eight hundred forty seven**



Numeral : \_\_\_\_\_

**25,366,774**

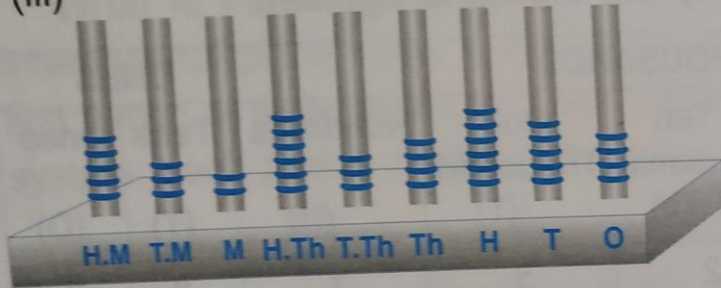
Number Name : \_\_\_\_\_

**Twenty five million three hundred sixty six thousand seven hundred seventy four**

## EXERCISE - 3

1. Write the numeral and number name each diagram (abacus) represents in international system.

(iii)

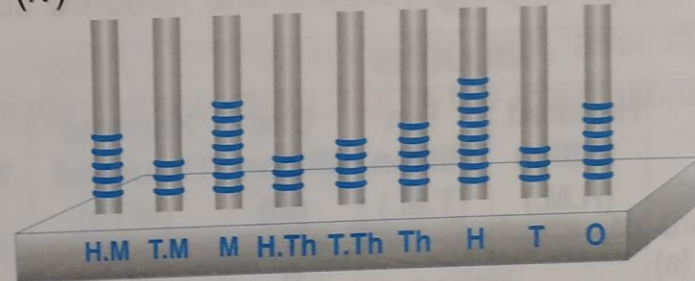


Numeral :

Number Name : \_\_\_\_\_

Five hundred thirty two million six hundred thirty four thousand six hundred fifty four

(iv)



Numeral :

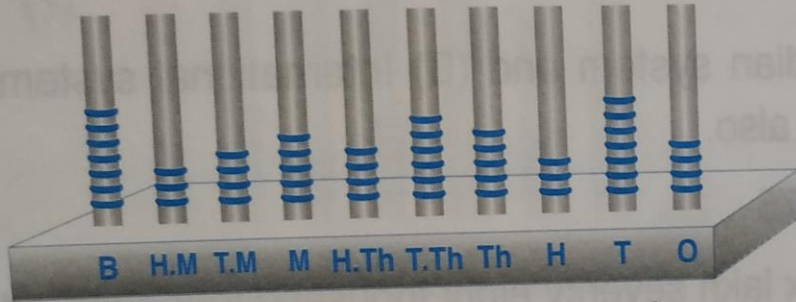
Number Name : \_\_\_\_\_

Five hundred thirty seven million three hundred forty five thousand eight hundred thirty six

## EXERCISE - 3

1. Write the numeral and number name each diagram (abacus) represents in international system.

(v)

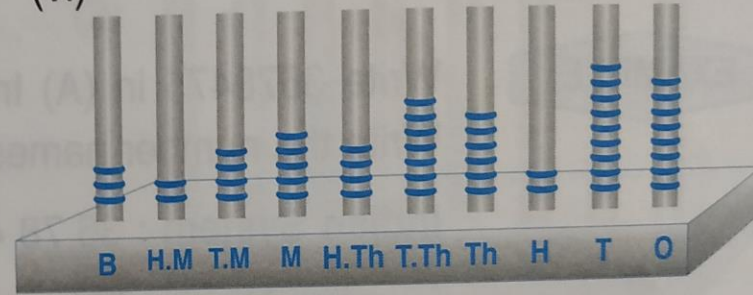


Numeral : 7,345,465,374

Number Name : \_\_\_\_\_

Seven billion three hundred forty five million four hundred sixty five thousand three hundred seventy four

(vi)



Numeral : 3,245,476,298

Number Name : \_\_\_\_\_

Three billion two hundred forty five million four hundred seventy six thousand two hundred ninety eight

# HOME ASSIGNMENT

Complete Exercise 3 Q No. 1 in the notebook

# LEARNING OBJECTIVE



# Students are able to represent the numbers in a place value chart as per the international place value chart.

# And students can write the numeral and number name shown on the abacus according to the international number system.

**THANKING YOU**  
**ODM EDUCATIONAL GROUP**