



MATHEMATICS

CLASS 1

LESSON # 43

Lesson Code 1M43

Let's learn about today's topic



TOPIC:

Number Operation

- Addition with / without regrouping
- Languages of addition
(Add, total of, Sum of, plus)

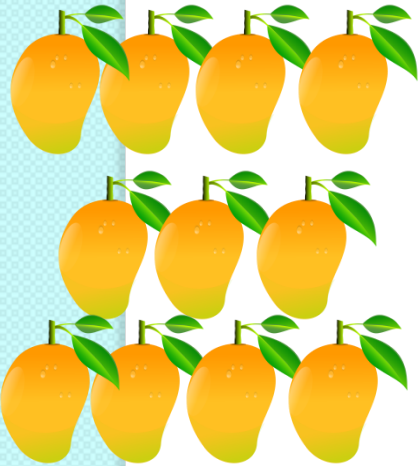


What is addition?

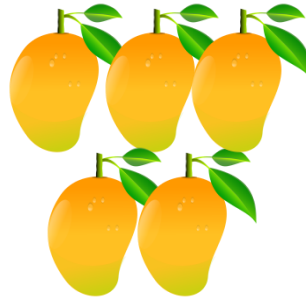
It's the process of finding the total of two or more numbers or objects. OR

Addition is a process of taking two or more numbers and adding them together.

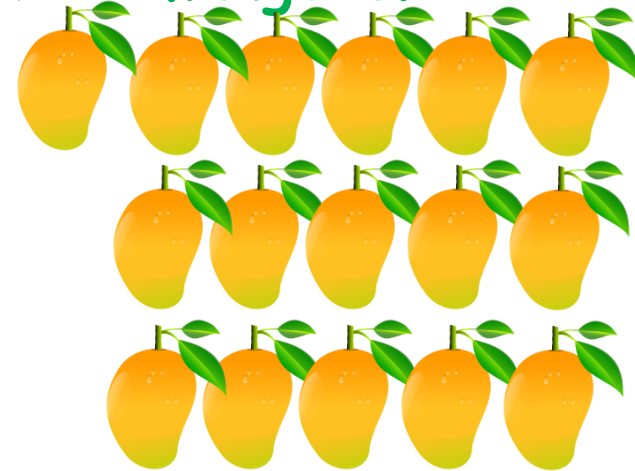
For example; Take 7 mangoes and 5 mangoes and add them together. You will get total 12 mangoes.



11

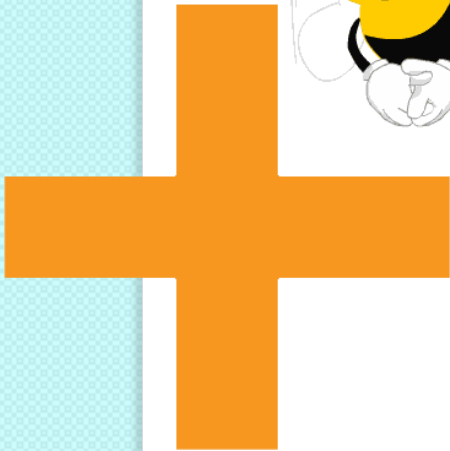
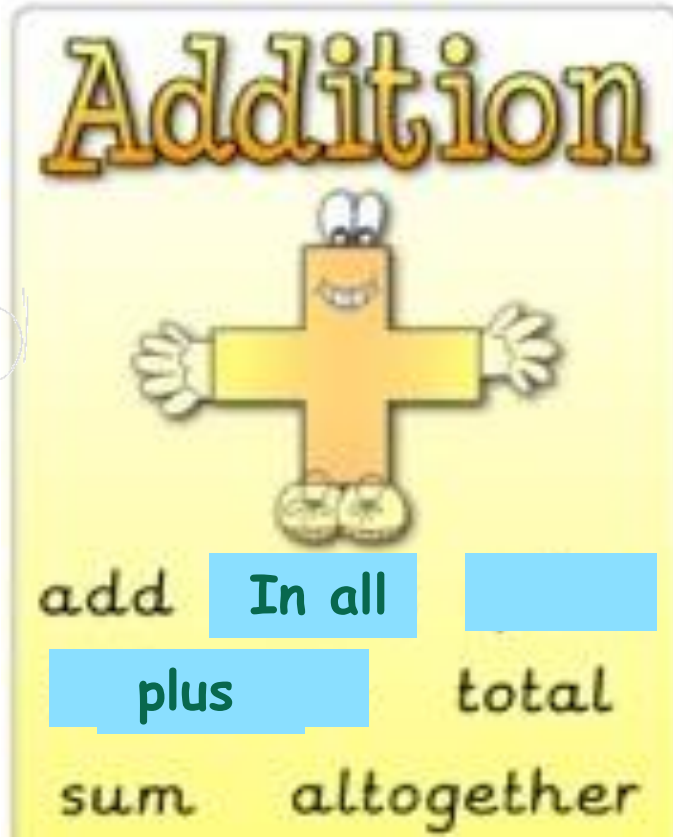


5



16

SYMBOL(sign) & VOCABULARY OF ADDITION



Addition with Regrouping(carry)

Adds up to 9,
everything is
fine!

T O

$$\begin{array}{r} 53 \\ + 26 \\ \hline 79 \end{array}$$

Got it



10 or more,
take the
extra and go
next door!

T O

$$\begin{array}{r} 1 \\ 54 \\ + 26 \\ \hline 80 \end{array}$$

TO
10

The diagram illustrates the regrouping process. In the addition problem, the tens digit '5' is circled in green, and the ones digit '4' is circled in red. A blue arrow points from the red circle to the '1' in the tens column above the '5'. To the right, the text 'TO 10' is written in green. A blue arrow points from 'TO 10' down to the '0' in the ones column of the result, and another blue arrow points from the '1' in the tens column to the '8' in the tens column of the result.

Addition with Regrouping(carry)

Adds up to 9,
everything is
fine!

$$\begin{array}{r} \text{T O} \\ 85 \\ + 31 \\ \hline 116 \end{array}$$

Got it



10 or more,
take the
extra and go
next door!

$$\begin{array}{r} \text{T O} \\ 1 \text{ (circled)} \\ 89 \\ + 31 \\ \hline 120 \end{array}$$

TO 10

Addition with Regrouping(carry)

Adds up to 9,
everything is
fine!

T O

$$\begin{array}{r} 78 \\ + 20 \\ \hline 98 \end{array}$$

Got it



10 or more,
take the
extra and go
next door!

T O

$$\begin{array}{r} 1 \\ 78 \\ + 57 \\ \hline 135 \end{array}$$

TO 15

Solve the following.

a) Sum of 96 and 49

$$\begin{array}{r} \text{T O} \\ \textcircled{1} \\ 96 \\ + 49 \\ \hline 145 \end{array}$$

Diagram illustrating the addition of 96 and 49. The tens column (9 + 4) results in 13, with a carry of 1 to the hundreds column. The ones column (6 + 9) results in 15. The final sum is 145.

b) Total of 55 and 88

$$\begin{array}{r} \text{T O} \\ \textcircled{1} \\ 88 \\ + 55 \\ \hline 143 \end{array}$$

Diagram illustrating the addition of 55 and 88. The tens column (8 + 5) results in 13, with a carry of 1 to the hundreds column. The ones column (5 + 5) results in 10. The final sum is 143.

Got it!



a) Add 79 and 38

$$\begin{array}{r} \text{T O} \\ \textcircled{1} \\ 79 \\ + 38 \\ \hline 117 \end{array}$$

Diagram illustrating the addition of 79 and 38. The tens digit of the result (1) is circled in green. A blue arrow points from the circled 1 to the text "TO 17". Another blue arrow points from the "TO 17" text to the tens digit of the result (11).

b) 99 plus 47

$$\begin{array}{r} \text{T O} \\ \textcircled{1} \\ 99 \\ + 47 \\ \hline 146 \end{array}$$

Diagram illustrating the addition of 99 and 47. The tens digit of the result (1) is circled in green. A blue arrow points from the circled 1 to the text "TO 16". Another blue arrow points from the "TO 16" text to the tens digit of the result (14).

Got it!



Add 1 & Add 10

Add 1

$$23 + 1 = 24$$

$$59 + 1 = 60$$

$$99 + 1 = 100$$

$$149 + 1 = 150$$

$$200 + 1 = 201$$

Add 10

$$23 + 10 = 33$$

$$59 + 10 = 69$$

$$99 + 10 = 109$$

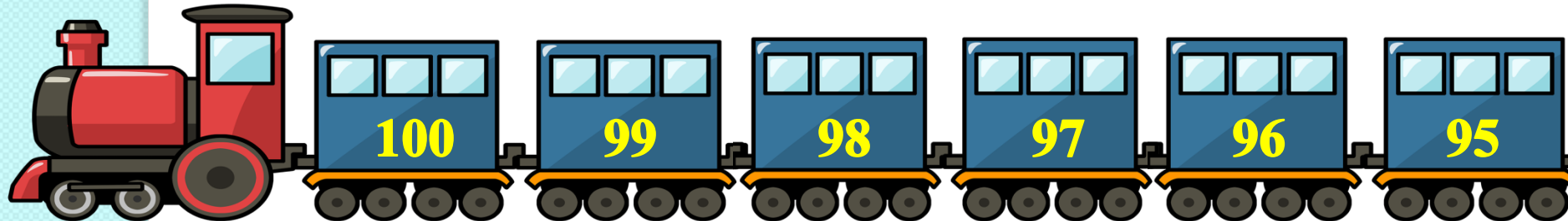
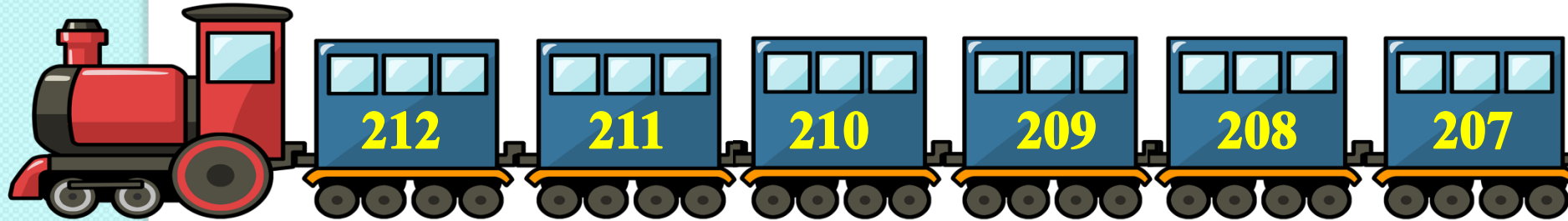
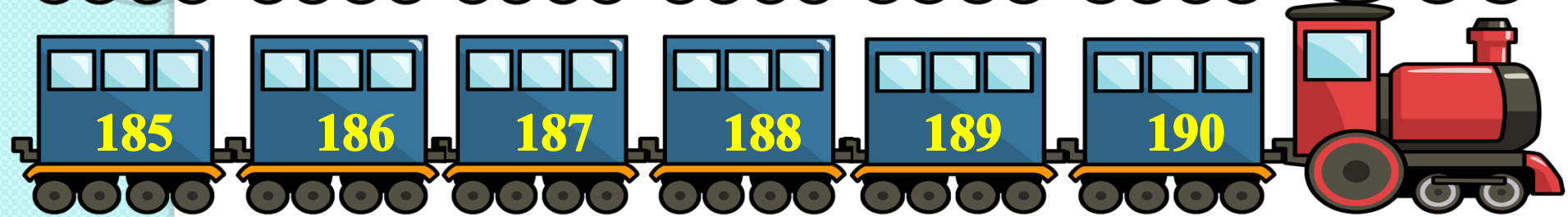
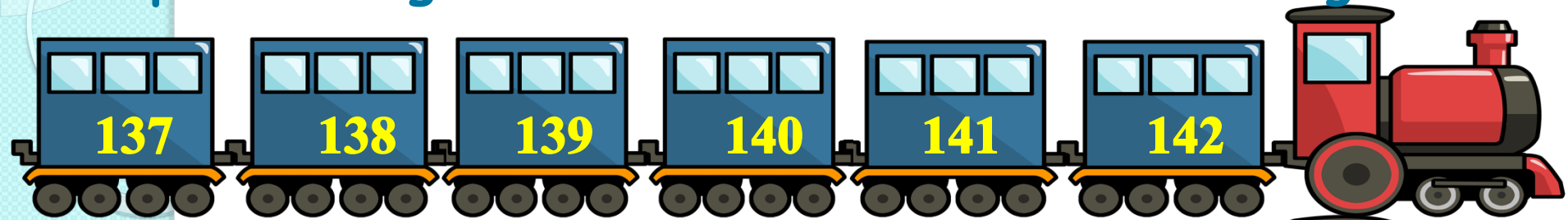
$$149 + 10 = 159$$

$$200 + 10 = 210$$

Reinforcement

recap

Complete the given forward or backward counting series.

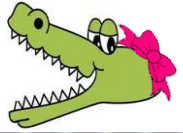


Question

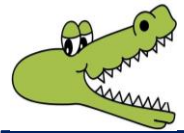
Compare the numbers. Put the signs  ,  or  in the blanks.

(a) 58  85

(b) 68  67

(c) 99  19

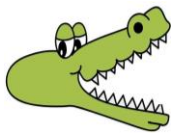
(d) 109  091

(e) 60  106

(f) 20  2 tens

(g) 110  100 + 10

(h) 29  92

(i) 212  221

(j) 7 tens  10 tens

(k) 10 tens  10 ones

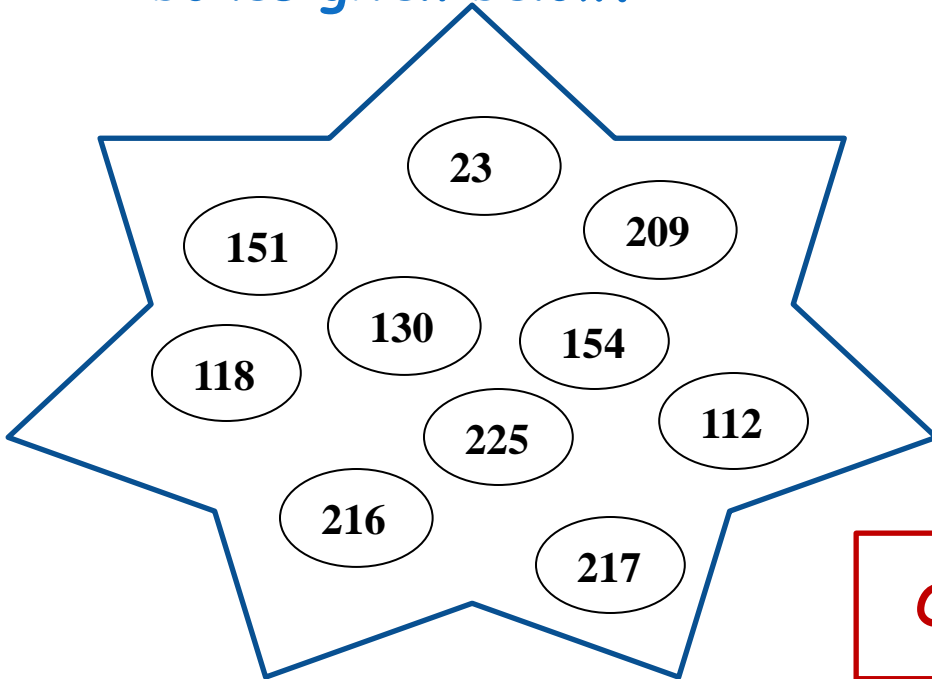
(l) 200  100

Question

Complete the given number table.

Number	Number name(In words)
1 2	Twelve
1 5 5	One hundred and fifty five
2 2 0	Two hundreds and twenty
1 6 9	One hundred and sixty nine
2 0 2	Two hundred and two

Separate even / odd from the following numbers. Also write it in the boxes given below.



Even Numbers



Odd Numbers



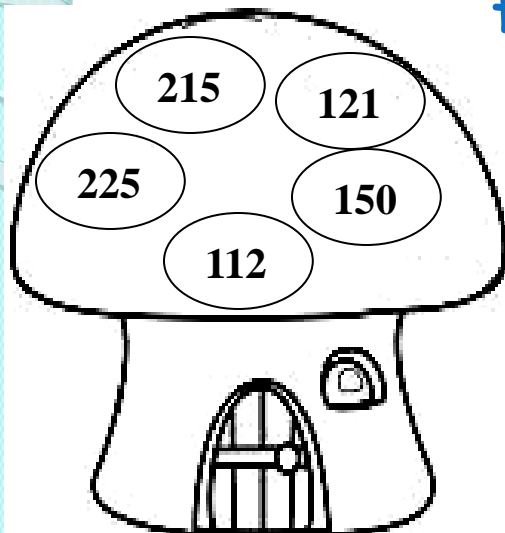
- | | | | | |
|-----|-----|-----|-----|-----|
| 118 | 130 | 154 | 112 | 216 |
|-----|-----|-----|-----|-----|

- | | | | | |
|----|-----|-----|-----|-----|
| 23 | 151 | 209 | 225 | 217 |
|----|-----|-----|-----|-----|

Question

Arrange the following numbers in ascending and descending order in the boxes given below.

a)



Ascending order

112

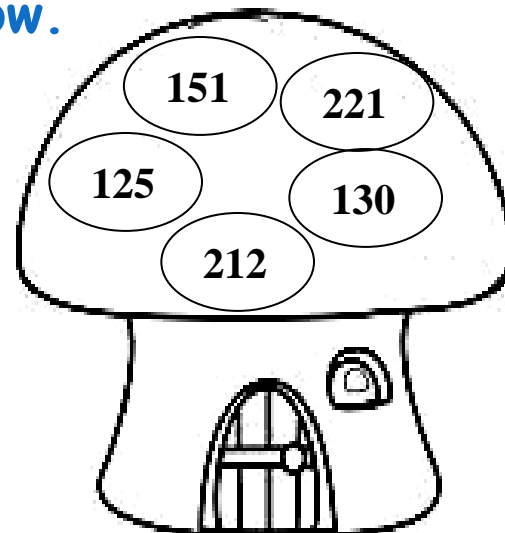
121

150

215

225

b)



Descending order

221

212

151

130

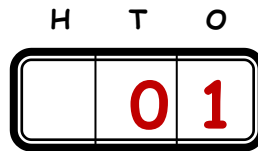
125

Write the number for the given place values.

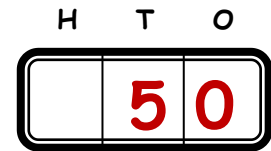
7 tens, 7 ones



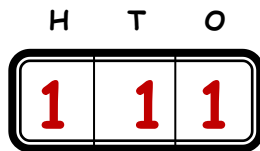
1 one



5 tens, 0 ones



1 hundred, 1 ten, 1 one



2 hundreds, 4 tens, 2 ones



2 hundreds, 5 ones



Place & Value

Ones, Tens, Hundreds are called Places of the number.

Place

Hundreds

Tens

Ones

1

0

9

9

00

100

Value

Value of ones will always be a 1-digit number


Value of tens will always be a 2-digit number

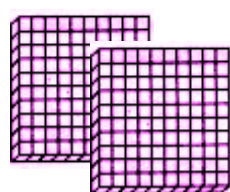
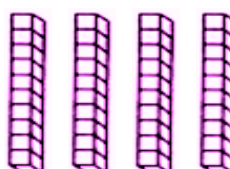

Value of hundreds will always be a 3-digit number

HMM...



Complete the given boxes by counting the hundreds, tens and ones in the given table.



Hundreds	Tens	Ones
		
2 hundreds	4 tens	5 ones

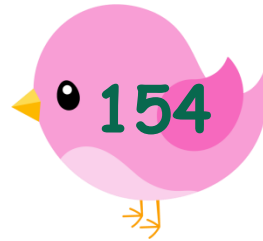


Expanded form: 200 + 40 + 5 =

H	T	O
2	4	5

Number name: Two hundred and forty five

Tick ✓ the numbers that have 4 in the tens place.



Tick ✓ the numbers that have 9 in the ones place.



Tick ✓ the numbers that have 1 in the hundreds place.



Question

What comes before 151?



Question

What comes before 220?



Question

What comes after 189?

