



MATHEMATICS

CLASS 1

LESSON # 42

Lesson Code 1M42

Let's learn about today's topic



TOPIC:

Number Operation

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



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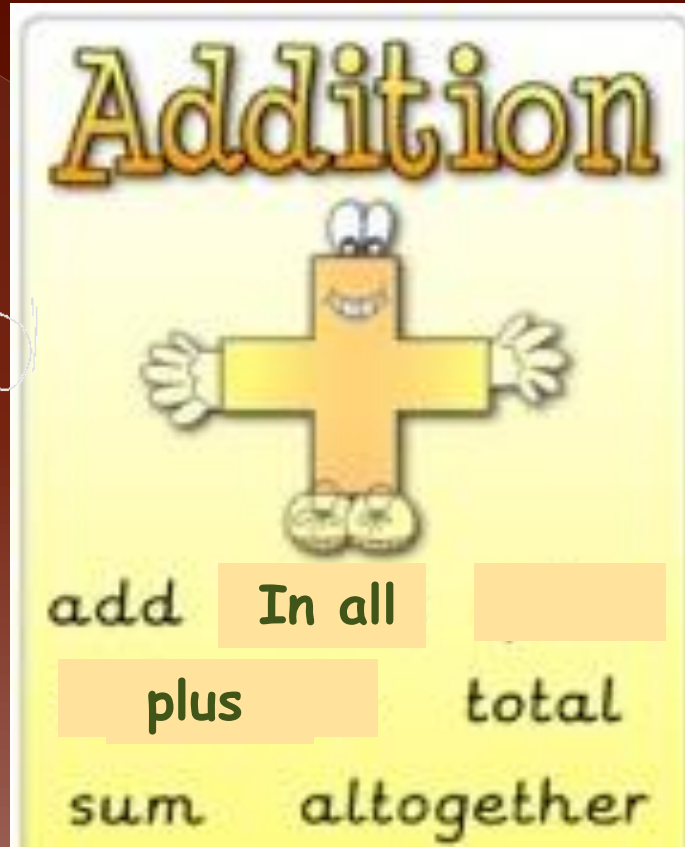
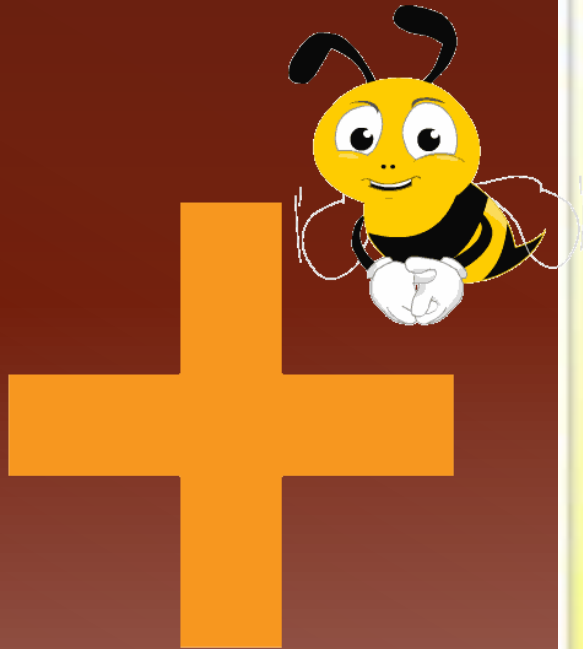


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SYMBOL(sign) & VOCABULARY OF ADDITION



Addition with Regrouping(carry)

Adds up to 9,
everything is
fine!

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

Got it



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

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

Diagram illustrating the regrouping process:

- The tens digit '1' in the result is circled in green.
- The ones digit '4' in the second addend is circled in red.
- A blue arrow points from the circled '4' to the circled '1'.
- To the right, the text "TO 10" is written in green, with a blue arrow pointing from the circled '4' to it.
- Below "TO 10", a blue arrow points down to the tens digit '8' in the result.

Addition with Regrouping(carry)

Adds up to 9,
everything is
fine!

$$\begin{array}{r} \text{T O} \\ 75 \\ + 20 \\ \hline 95 \end{array}$$

Got it



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

$$\begin{array}{r} \text{T O} \\ 1 \text{ } \\ 75 \\ + 26 \\ \hline 101 \end{array}$$

Diagram illustrating the regrouping process for the addition $75 + 26$. The tens column shows a carry of 1 (circled in green) from the ones column. The ones column shows the sum 11 (circled in red). An arrow points from the 11 in the ones column to the 1 in the tens column, indicating the regrouping of 10 ones into 1 ten. The final result is 101.

Addition with Regrouping(carry)

Adds up to 9,
everything is
fine!

$$\begin{array}{r} \text{T O} \\ 88 \\ + 21 \\ \hline 109 \end{array}$$

Got it



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

$$\begin{array}{r} \text{T O} \\ 188 \\ + 27 \\ \hline 115 \end{array}$$

Diagram illustrating the regrouping process for the addition $188 + 27 = 115$. The tens column shows a carry of 1 from the ones column (8 + 7 = 15) to the tens column (8 + 2 + 1 = 11). The result 115 is shown below the line, with the 1 in the hundreds place and the 1 in the tens place. Arrows indicate the flow of the carry from the ones column to the tens column, and then from the tens column to the hundreds column.

Solve the following.

a) Sum of 85 and 76

$$\begin{array}{r} \text{T O} \\ \textcircled{1} \\ 85 \\ + 76 \\ \hline 161 \end{array}$$

Diagram illustrating the addition of 85 and 76. The tens place (T) shows 8 + 7 = 15, and the ones place (O) shows 5 + 6 = 11. A blue arrow points from the 1 in the tens place to the 1 in the ones place, indicating a carry-over. The final sum is 161.

b) Total of 29 and 74

$$\begin{array}{r} \text{T O} \\ \textcircled{1} \\ 74 \\ + 29 \\ \hline 103 \end{array}$$

Diagram illustrating the addition of 29 and 74. The tens place (T) shows 7 + 2 = 9, and the ones place (O) shows 4 + 9 = 13. A blue arrow points from the 1 in the tens place to the 1 in the ones place, indicating a carry-over. The final sum is 103.

Got it!



a) Add 93 and 29

$$\begin{array}{r} \text{T O} \\ \textcircled{1} \\ 93 \\ + 29 \\ \hline 122 \end{array}$$

Diagram illustrating the addition of 93 and 29. The tens column shows 9 + 2 = 11, with a carry of 1 (circled in green) to the hundreds column. The ones column shows 3 + 9 = 12. The final result is 122.

b) 85 plus 59

$$\begin{array}{r} \text{T O} \\ \textcircled{1} \\ 85 \\ + 59 \\ \hline 144 \end{array}$$

Diagram illustrating the addition of 85 and 59. The tens column shows 8 + 5 = 13, with a carry of 1 (circled in green) to the hundreds column. The ones column shows 5 + 9 = 14. The final result is 144.

Got it!



Reinforcement

recap,

Question

Complete the given counting series.

- a) 137, 138, 139, 140, 141, 142, 143, 144.
- b) 198, 199, 200, 201, 202, 203, 204.
- c) 115, 114, 113, 112, 111, 110, 109, 108.
- d) 251, 250, 249, 248, 247, 246, 245, 244.

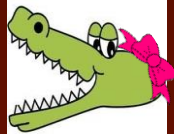
Question

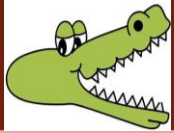
Compare the numbers. Put the signs ,  or  in the blanks.

(a) 75  76

(b) 79  17

(c) 81  18

(d) 70  07

(e) 48  84

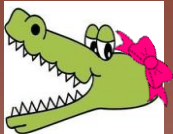
(f) 85  85 ones

(g) 90  $80 + 10$

(h) 29  92

(i) 97  98

(j) 6 tens  9 tens

(k) 9 tens  9 ones

(l) 100  99

Question

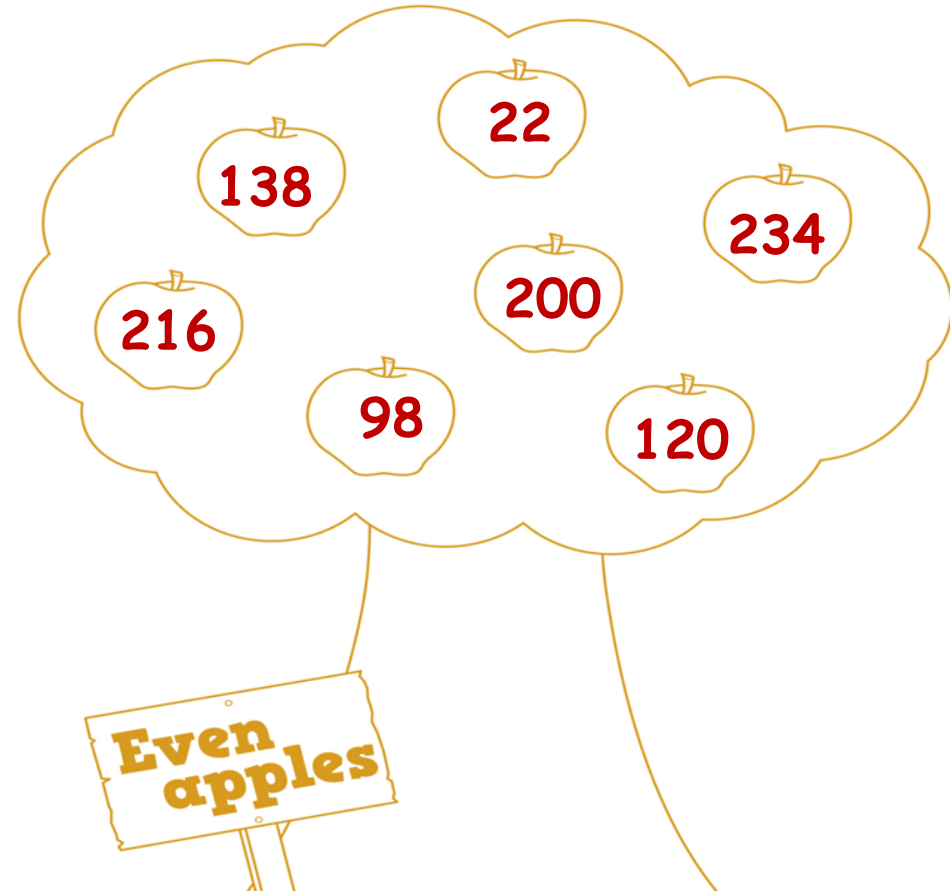
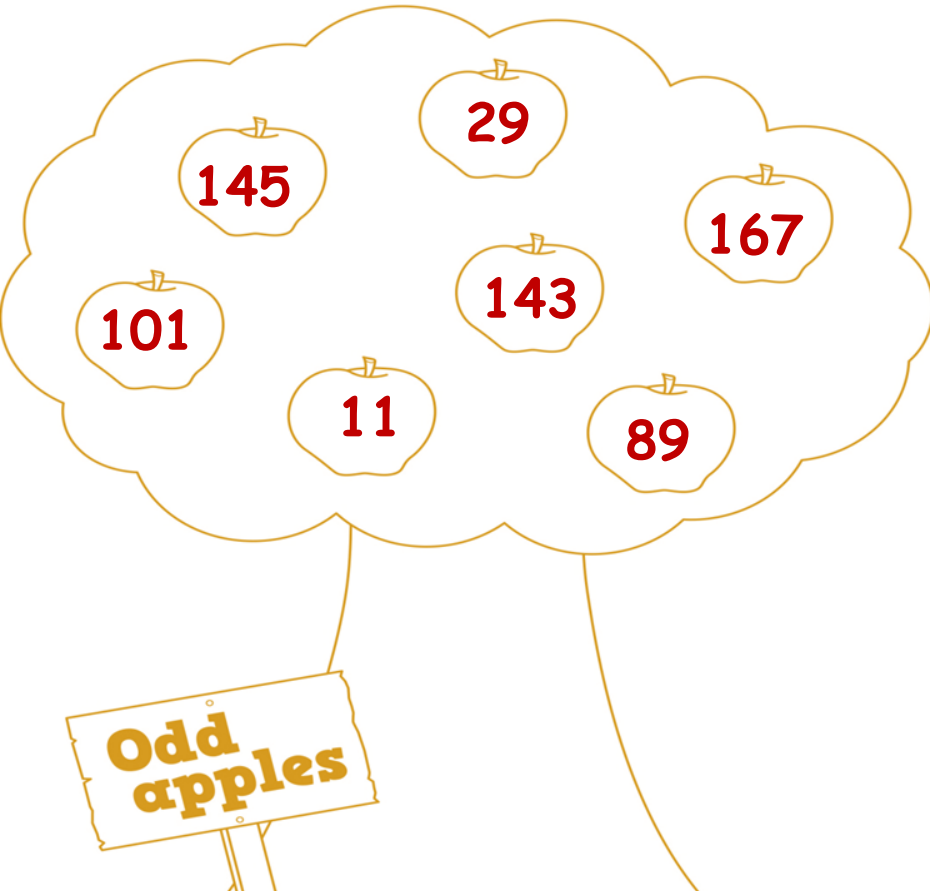
Complete the given number table.

| Number | Number name(In words) |
|--------|-----------------------------|
| 19 | Nineteen |
| 211 | Two hundreds and eleven |
| 245 | Two hundreds and forty five |
| 106 | One hundred and six |
| 190 | One hundred and ninety |

Question

Separate and write the even/odd numbers in the apples given below.

138, 145, 22, 234, 29, 167, 200, 143, 101, 216, 98, 11, 120, 89



Place & Value

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

Place →

Hundreds

Tens

Ones

2

1

2

Value ←

2

10

200

Value of ones will always be a 1-digit number



Value of tens will always be a 2-digit number

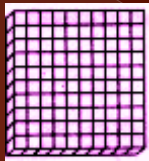
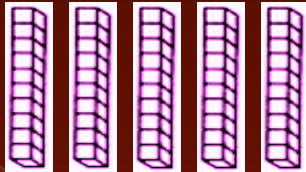
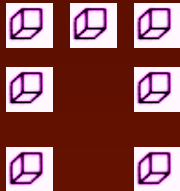
Value of hundreds will always be a 3-digit number

HMM...



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



| Hundreds | Tens | Ones |
|---|--|---|
|  |  |  |
| <div>1</div> hundreds | <div>5</div> tens | <div>7</div> ones |

Expanded form: $100 + 50 + 7 =$

| H | T | O |
|---|---|---|
| 1 | 5 | 7 |

Number name: One hundred and fifty seven

Question

What comes before 199?



Question

What comes before 231?



Question

What comes after 179?



Question

Fill in the blanks with the help of the given number.

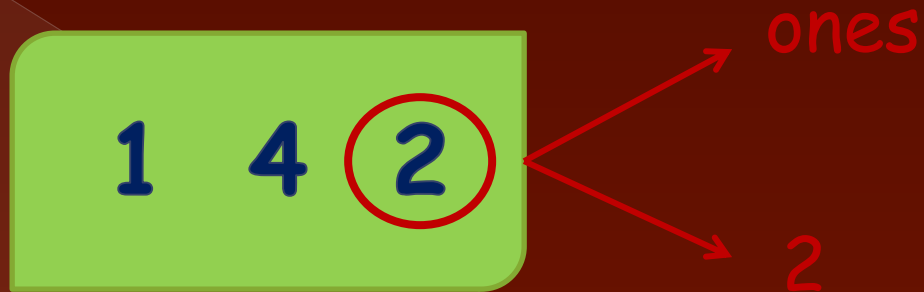
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- (i) The digit 1 is in the hundreds place.
- (ii) The value of the digit 8 is 80.
- (iii) The value of the digit 9 is 9.
- (iv) The digit 8 is in the tens place.
- (v) The value of digit 1 is 100.

Question

Write the place and value of the encircled digit.



Question

Arrange the given numbers in ascending order.

121

85

218

158

128

185



Ascending

218

185

158

128

121

85



Question

Arrange the given numbers in descending order.

163

96

236

169

136

216

