

**SESSION : 10**

**CLASS : 3**

**SUBJECT : MATHEMATICS**

**CHAPTER NUMBER: 6**

**CHAPTER NAME : DIVISION**

**SUBTOPIC : DIVISION BY A 2-DIGIT NUMBER (WORD PROBLEMS)**

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**CHANGING YOUR TOMORROW**

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# DIVISION

## DIVISION BY A 2-DIGIT NUMBER (WORD PROBLEMS)



**A word problem is a mathematical exercise where significant background information on the problem is presented in ordinary language rather than in mathematical notation. As most word problems involve a narrative of some sort, they are sometimes referred to as story problems and may vary in the amount of technical language used.**

# DIVISION

## DIVISION BY A 2-DIGIT NUMBER (WORD PROBLEMS)

To solve Division word problems , following points are to be kept in mind :

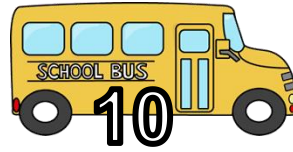
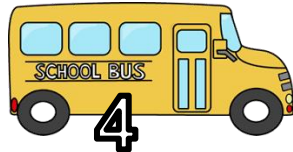
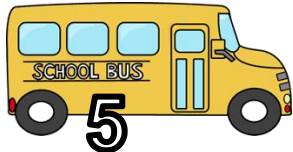
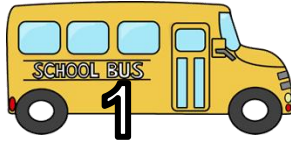
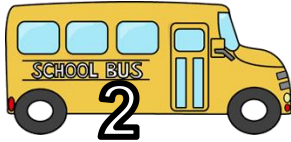
- **Read** the story sums carefully and understand the given information.
- **Find** the fact or the important information.
- **Decide** what to do.
- **Solve** the story sum.
- **Check** your answer.

# DIVISION

## DIVISION BY A 2-DIGIT NUMBER (WORD PROBLEMS)



*315 third graders are going for picnic. If the school allots 15 buses, how many students will ride on each bus?*



# DIVISION

## DIVISION BY A 2-DIGIT NUMBER (WORD PROBLEMS)

### Steps 1

1) Answer the question that is being asked.

*How many  
students  
will ride on  
each bus?*

*????  
students  
will ride on  
each bus.*

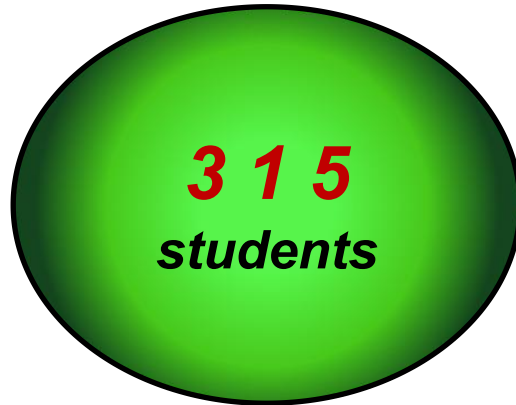


# DIVISION

## DIVISION BY A 2-DIGIT NUMBER (WORD PROBLEMS)

### Steps 2

2) Understand what's being divided.



**DIVIDEND**

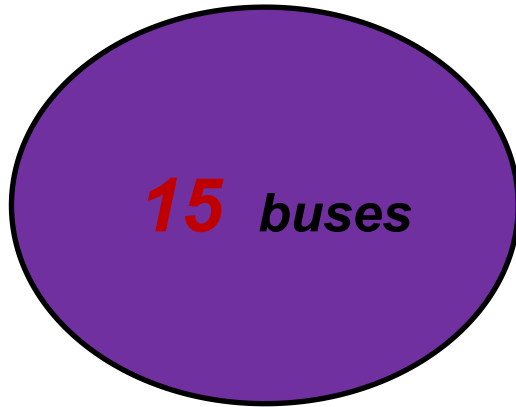


# DIVISION

## DIVISION BY A 2-DIGIT NUMBER (WORD PROBLEMS)

### Steps 3

3) Understand how the dividend will be divided.



**DIVISOR**



# DIVISION

## DIVISION BY A 2-DIGIT NUMBER (WORD PROBLEMS)

### Steps 3

4) Then start writing the statements as follows:

Number of students = 315

Number of buses = 15

Students on each bus =  $315 \div 15$

= 21

$$\begin{array}{r} 21 \rightarrow Q \\ \underline{15} \overline{) 315} \\ \underline{30} \phantom{0} \\ 15 \\ \underline{15} \\ 0 \rightarrow R \end{array}$$



# DIVISION

## DIVISION BY A 2-DIGIT NUMBER (WORD PROBLEMS)

**Exercise-6 B Q. No B - 7, 9 and 10  
bk. pg. 88  
in notebook.**



## DIVISION

### DIVISION BY A 2-DIGIT NUMBER (WORD PROBLEMS)

**Q7) 770 students of a school went for picnic by buses. If a bus carries 55 students, how many buses were used ?**

**ANS: Number of students = 770**

**Students in a bus = 55**

**∴ Number of buses used =**

$$770 \div 55 = 14 \text{ buses}$$

$$\begin{array}{r} \phantom{55} \overline{) 770} \phantom{0} \rightarrow Q \\ \underline{55} \phantom{0} \\ 220 \\ \underline{220} \\ 0 \rightarrow R \end{array}$$

# DIVISION

## DIVISION BY A 2-DIGIT NUMBER (WORD PROBLEMS)

**Q9) For a drill display, 2589 students were arranged in rows of 35. How many such rows were formed and how many students were left out?**

**ANS: Number of students = 2589**

**Number of rows = 35**

$$\begin{array}{r} 73 \rightarrow Q \\ \hline 35 \overline{) 2589} \\ \underline{245} \phantom{0} \\ 139 \\ \underline{105} \\ 34 \end{array}$$

**∴ Number of rows formed =  $2589 \div 35 = 73$       34 → R**

**and number of students left = 34**

# DIVISION

## DIVISION BY A 2-DIGIT NUMBER (WORD PROBLEMS)

**Q10) How many groups of 55 students can be formed from 8910 students of a school? Are there any students left out?**

**ANS: Number of students = 8910**

**Students in a groups = 55**

**∴ Number of groups =**

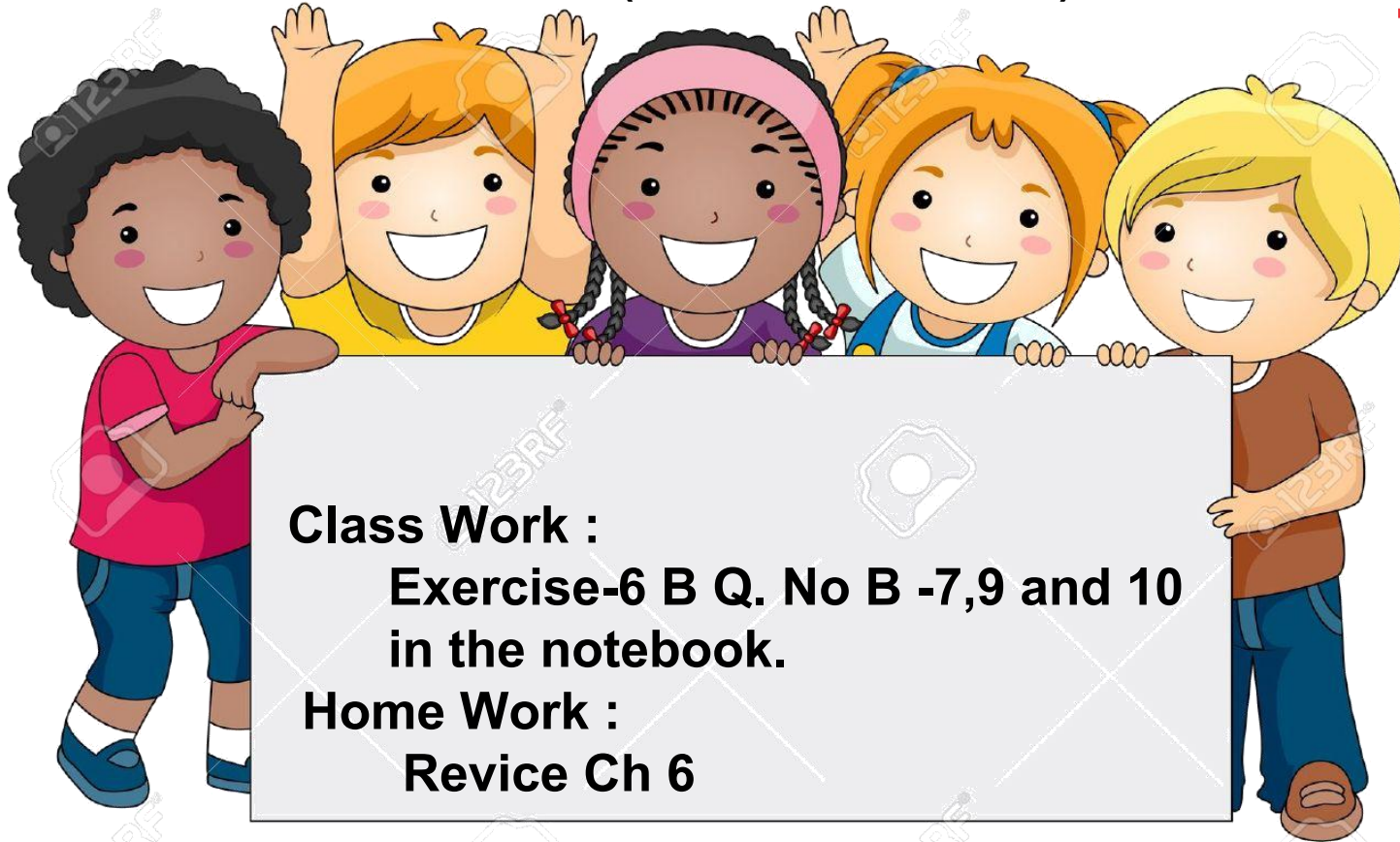
**$8910 \div 55 = 162$  groups**

**No students were left out.**

$$\begin{array}{r} 162 \rightarrow Q \\ 55 \overline{) 8910} \\ \underline{55} \phantom{0} \\ 341 \\ \underline{330} \\ 110 \\ \underline{110} \\ 0 \rightarrow R \end{array}$$

# DIVISION

## DIVISION BY A 2-DIGIT NUMBER (WORD PROBLEMS)



**Class Work :**

**Exercise-6 B Q. No B -7,9 and 10  
in the notebook.**

**Home Work :**

**Revice Ch 6**

## **LEARNING OUTCOME:**

**Children are able to read the story sum and understand the language and also be able to solve division word problems.**



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