

SESSION : 8

CLASS : 3

SUBJECT : MATHEMATICS

CHAPTER NUMBER: 6

CHAPTER NAME : DIVISION

SUBTOPIC : DIVISION OF 4-DIGIT NUMBERS

CHANGING YOUR TOMORROW

LEARNING OBJECTIVE :

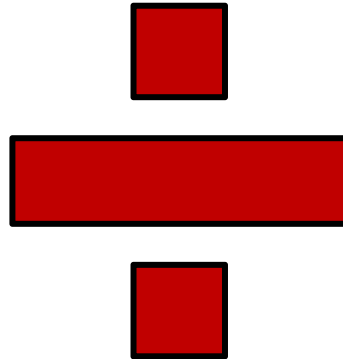
Children will :

- *Determine that division is dividing objects into equal groups.**
- *Explain the steps of Division.**
- *Solve problems using Division.**
- *Be able to use equal groups, drawings, and measurement quantities to solve division problems.**
- *Will construct solutions to solve simple division problems, and will be able to explain and defend how they generated answers for division problems.**

DIVISION

DIVISION OF 4-DIGIT NUMBERS

Do you know what is the
symbol or sign of
DIVISION



DIVISION

DIVISION OF 4-DIGIT NUMBERS

Now let us recall:

$$8 \div 3 = Q = 2, R = 2$$

$$\begin{array}{r} 2 \longrightarrow Q \\ 3 \overline{) 8} \\ \underline{- 6} \\ 2 \longrightarrow R \end{array}$$

DIVISION

DIVISION OF 4-DIGIT NUMBERS

$$59 \div 5 \quad Q = 11, R = 4$$

$$\begin{array}{r} 11 \rightarrow Q \\ 5 \overline{) 59} \\ \underline{-5} \\ 09 \\ \underline{-5} \\ 4 \rightarrow R \end{array}$$

DIVISION

DIVISION OF 4-DIGIT NUMBERS

$$954 \div 6$$

$$Q = 159, R = 0$$

$$\begin{array}{r} 159 \rightarrow Q \\ \underline{6 \overline{) 954}} \\ \underline{6} \\ 35 \\ \underline{30} \\ 54 \\ \underline{54} \\ 0 \rightarrow R \end{array}$$

DIVISION

DIVISION OF 4-DIGIT NUMBERS

$$3825 \div 9$$

$$Q = 425, R = 0$$

$$\begin{array}{r} \overline{) 3825} \rightarrow Q \\ \underline{36} \\ 22 \\ \underline{ 18} \\ 45 \\ \underline{ 45} \\ 0 \rightarrow R \end{array}$$

DIVISION

DIVISION OF 4-DIGIT NUMBERS

$$7515 \div 3 = 2505$$

DIVISION :

DIVIDEND

DIVISOR

QUOTIENT

* Here the number to be divided is called the **DIVIDEND**.

* The number that divides another number is called the **DIVISOR**.

* The answer we get on dividing the numbers is called the **QUOTIENT**.



DIVISION

DIVISION OF 4-DIGIT NUMBERS

STEP 1 : D - DIVIDE \div

STEP 2 : M - MULTIPLY \times

STEP 3 : S - SUBTRACT $-$

STEP 4 : B - BRING DOWN

STEP 5 : R - REPEAT or REMAINDER



DIVISION

DIVISION OF 4-DIGIT NUMBERS

**Exercise-6 A - 7, 8, 9 and 11
bk. pg. 86
in notebook.**



MATHS

DIVISION

DIVISION OF 4-DIGIT NUMBERS

Solve by long division method in your notebook.

$$7) 1275 \div 5$$

$$\begin{array}{r} 255 \longrightarrow \mathbf{Q} \\ 5 \overline{) 1275} \\ \underline{- 10} \\ 27 \\ \underline{- 25} \\ 25 \\ \underline{- 25} \\ 0 \longrightarrow \mathbf{R} \end{array}$$

DIVISION

DIVISION OF 4-DIGIT NUMBERS

8) $9107 \div 7$

$$\begin{array}{r} 1301 \longrightarrow \text{Q} \\ 7 \overline{) 9107} \\ \underline{7} \\ 21 \\ \underline{21} \\ 007 \\ \underline{7} \\ 0 \longrightarrow \text{R} \end{array}$$

DIVISION

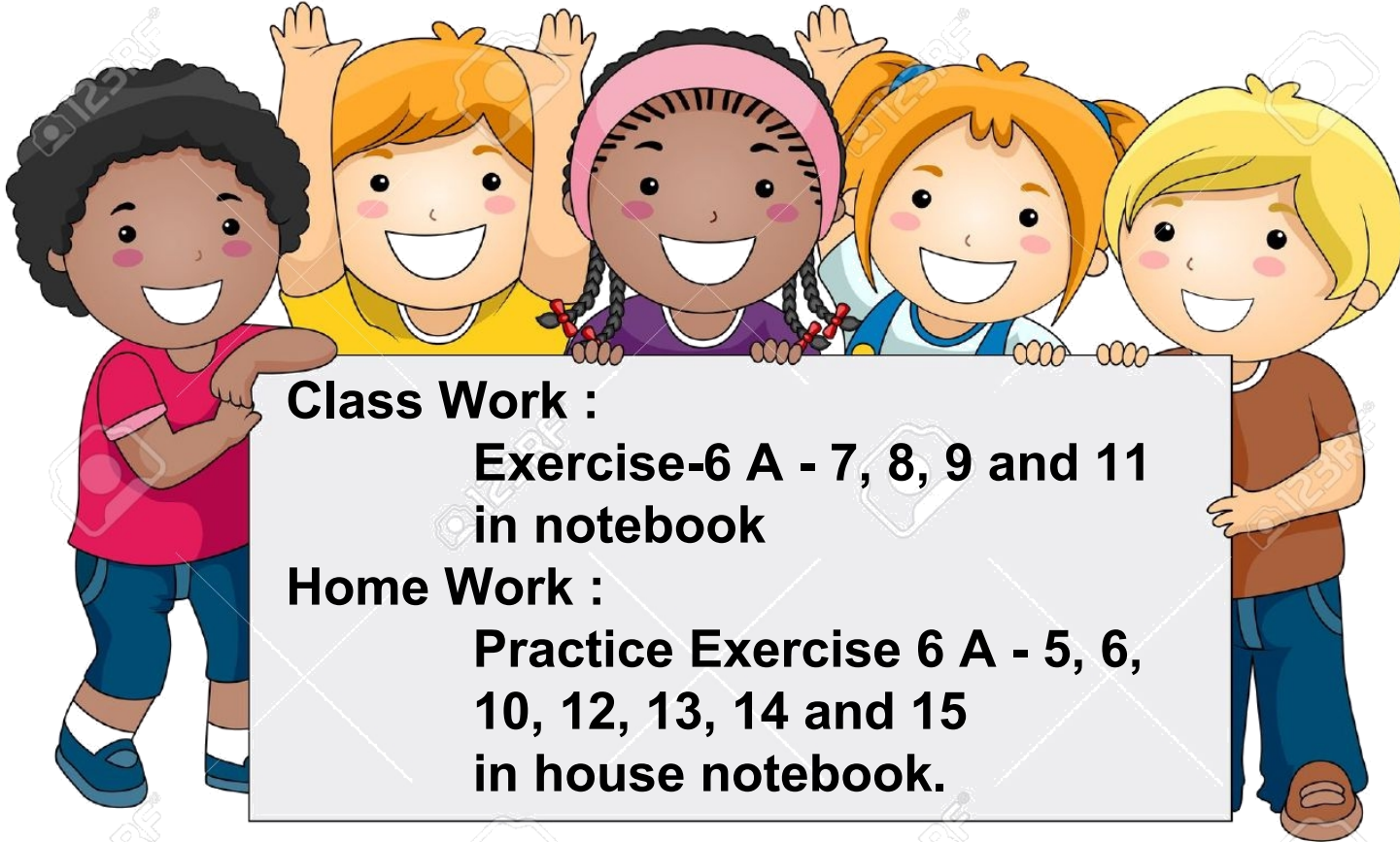
DIVISION OF 4-DIGIT NUMBERS

11) $6552 \div 9$

$$\begin{array}{r} 728 \longrightarrow Q \\ \overline{) 6552} \\ \underline{63} \\ 25 \\ \underline{18} \\ 72 \\ \underline{72} \\ 0 \longrightarrow R \end{array}$$

DIVISION

DIVISION OF 4-DIGIT NUMBERS



Class Work :

**Exercise-6 A - 7, 8, 9 and 11
in notebook**

Home Work :

**Practice Exercise 6 A - 5, 6,
10, 12, 13, 14 and 15
in house notebook.**

LEARNING OUTCOME:

Children are confident to determine that division is dividing objects into equal groups. Explain the steps of Division. Solve problems using Division. Be able to use equal groups, drawings, and measurement quantities to solve division problems and will construct solutions to solve simple division problems, and will be able to explain and defend how they generated answers for division problems.



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