

**SESSION : 17**  
**CLASS : IV**  
**SUBJECT : MATHEMATICS**  
**CHAPTER NUMBER : 7**  
**CHAPTER NAME : DIVISION**  
**SUBTOPIC : DIVISION WITH 5-DIGIT NUMBERS,  
EXERCISE-7 C**

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## CHANGING YOUR TOMORROW

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# LEARNING OBJECTIVE

- Enable the students to understand how to do the division with 5-digit numbers.

# DIVISION BY 5-DIGIT NUMBERS

## EXAMPLE

Divide 38,695 by 8

**Step 1** : consider the first digit from the left i.e. **3**. since **3 < 8**, consider **2** – digit from the left together i.e. **38**.

$$8 \overline{)3 \ 8 \ 6 \ 9 \ 5}$$



# DIVISION BY 5-DIGIT NUMBERS

## EXAMPLE

Divide 38,695 by 8

**Step 2** : divide 38 by 8.

$8 \times 4 = 32$ , write 4 in the quotient.

$38 - 32 = 6$ .

$$\begin{array}{r} & & 4 \\ & 8 ) & 3 & 8 & 6 & 9 & 5 \\ & - & 3 & 2 \\ \hline & & & & & & 6 \end{array}$$



# DIVISION BY 5-DIGIT NUMBERS

## EXAMPLE

Divide 38,695 by 8

**Step 3** : Bring down the next digit i.e. 6.

Divide 66 by 8.

$8 \times 8 = 64$ , write 8 in the quotient.

$66 - 64 = 2$ .



$$\begin{array}{r} 4 \quad 8 \\ \hline 8 \Big) 3 \quad 8 \quad 6 \quad 9 \quad 5 \\ - \quad 3 \quad 2 \\ \hline \quad 6 \quad 6 \\ - \quad 6 \quad 4 \\ \hline \quad \quad \quad 2 \end{array}$$



# DIVISION BY 5-DIGIT NUMBERS

## EXAMPLE

Divide 38,695 by 8

**Step 4** : Bring down the next digit i.e. 9.

Divide 29 by 8.

$8 \times 3 = 24$ , write 3 in the quotient.

$29 - 24 = 5$ .



$$\begin{array}{r} 4 \quad 8 \quad 3 \\ \hline 8 \overline{)3 \quad 8 \quad 6 \quad 9 \quad 5} \\ - \quad 3 \quad 2 \\ \hline \quad 6 \quad 6 \\ - \quad 6 \quad 4 \\ \hline \quad 2 \quad 9 \\ - \quad 2 \quad 4 \\ \hline \quad \quad \quad 5 \end{array}$$



# DIVISION BY 5-DIGIT NUMBERS

## EXAMPLE

Divide 38,695 by 8

**Step 5** : Bring down the next digit i.e. 5.

Divide 55 by 8.

$8 \times 6 = 48$ , write 6 in the quotient.

$55 - 48 = 7$ .

**Step 6** : Since  $7 < 8$ , it is indivisible by 8.

**Quotient = 4836; Remainder = 7**



$$\begin{array}{r} 4 & 8 & 3 & 6 \\ \hline 8 ) 3 & 8 & 6 & 9 & 5 \\ - 3 & 2 & & & \\ \hline & 6 & 6 & & \\ & - 6 & 4 & & \\ \hline & & 2 & 9 & \\ & & - 2 & 4 & \\ \hline & & & 5 & 5 \\ & & & - 4 & 8 \\ \hline & & & & 7 \end{array}$$



# DIVISION BY 5-DIGIT NUMBERS

## EXERCISE – 7(C)

Fill in the blanks:

(a)  $75,923 \div 3 =$



$$\begin{array}{r} 2 \ 5 \ 3 \ 0 \ 7 \\ 3 \overline{)7 \ 5 \ 9 \ 2 \ 3} \\ - 6 \\ \hline 1 \ 5 \\ - 1 \ 5 \\ \hline 0 \ 9 \\ - 9 \\ \hline 0 \ 2 \\ - 0 \ 0 \\ \hline 2 \ 3 \\ - 2 \ 1 \\ \hline 2 \end{array}$$

Quotient = 25,307.    Remainder = 2.



# DIVISION BY 5-DIGIT NUMBERS

## EXERCISE – 7(C)

Fill in the blanks:

(b)  $51,648 \div 4 =$



$$\begin{array}{r} 1 \ 2 \ 9 \ 1 \ 2 \\ 4 \overline{)5 \ 1 \ 6 \ 4 \ 8} \\ - 4 \\ \hline 1 \ 1 \\ - 0 \ 8 \\ \hline 3 \ 6 \\ - 3 \ 6 \\ \hline 0 \ 4 \\ - 0 \ 4 \\ \hline 0 \ 8 \\ - 0 \ 8 \\ \hline 0 \end{array}$$

Quotient = 12,912.    Remainder = 0.



# DIVISION BY 5-DIGIT NUMBERS

## EXERCISE – 7(C)

Fill in the blanks:

(c)  $61,464 \div 6 =$



$$\begin{array}{r} 1 \ 0 \ 2 \ 4 \ 4 \\ 6 \overline{)6 \ 1 \ 4 \ 6 \ 4} \\ - 6 \\ \hline 0 \ 1 \\ - 0 \ 0 \\ \hline 1 \ 4 \\ - 1 \ 2 \\ \hline 2 \ 6 \\ - 2 \ 4 \\ \hline 2 \ 4 \\ - 2 \ 4 \\ \hline 0 \end{array}$$

Quotient = 10,244 . Remainder = 0 .



# DIVISION BY 5-DIGIT NUMBERS

## EXERCISE – 7(C)

Fill in the blanks:

(d)  $97,335 \div 7 =$



$$\begin{array}{r} 1 & 3 & 9 & 0 & 5 \\ \hline 7 ) 9 & 7 & 3 & 3 & 5 \\ - 7 & & & & \\ \hline 2 & 7 & & & \\ - 2 & 1 & & & \\ \hline 6 & 3 & & & \\ - 6 & 3 & & & \\ \hline 0 & 3 & & & \\ - 0 & 0 & & & \\ \hline 3 & 5 & & & \\ - 3 & 5 & & & \\ \hline 0 & & & & \end{array}$$

Quotient = 13,905.    Remainder = 0.



# DIVISION BY 5-DIGIT NUMBERS

## EXERCISE – 7(C)

Fill in the blanks:

(e)  $37,840 \div 8 =$

$$\begin{array}{r} 4730 \\ 8 \overline{)37840} \\ -32 \\ \hline 58 \\ -56 \\ \hline 24 \\ -24 \\ \hline 0 \\ -0 \\ \hline 0 \end{array}$$

Quotient = 4730.    Remainder = 0.



# DIVISION BY 5-DIGIT NUMBERS

## EXERCISE – 7(C)

Fill in the blanks:

(f)  $94,675 \div 15 =$

$$\begin{array}{r} 6 \ 3 \ 1 \ 1 \\ \hline 15 ) 9 \ 4 \ 6 \ 7 \ 5 \\ - 9 \ 0 \\ \hline 4 \ 6 \\ - 4 \ 5 \\ \hline 1 \ 7 \\ - 1 \ 5 \\ \hline 2 \ 0 \\ - 1 \ 5 \\ \hline 5 \end{array}$$

Quotient = 6,311.    Remainder = 5.



# DIVISION BY 5-DIGIT NUMBERS

## EXERCISE – 7(C)

Fill in the blanks:

(g)  $62517 \div 27 =$



$$\begin{array}{r} 2315 \\ 27 ) 62517 \\ - 54 \\ \hline 85 \\ - 81 \\ \hline 41 \\ - 27 \\ \hline 147 \\ - 135 \\ \hline 12 \end{array}$$

Quotient = 2,315 . Remainder = 12 .



# DIVISION BY 5-DIGIT NUMBERS

## EXERCISE – 7(C)

Fill in the blanks:

(h)  $23,645 \div 77 =$

$$\begin{array}{r} 307 \\ 77 \overline{)23645} \\ -23 \\ \hline 54 \\ -53 \\ \hline 10 \\ -5 \\ \hline 5 \end{array}$$

Quotient = 307.    Remainder = 5.



## LEARNING OUTCOME:

**Students are able to understand how to do the division with 5-digit numbers.**

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