

**MONTH : NOVEMBER**

**SESSION : 2**

**CLASS : V**

**SUBJECT : MATHEMATICS**

**CHAPTER NUMBER: 10**

**CHAPTER NAME : DECIMAL FRACTIONS**

**SUB-TOPIC : DIVISION OF DECIMAL FRACTIONS**

**EXERCISE 10 E**

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**CHANGING YOUR TOMORROW**

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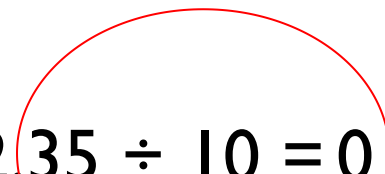
## **LEARNING OBJECTIVE :**

**Enable the students**

- **To divide decimal fractions by 10,100,1000 etc.**

# DIVISION OF DECIMAL BY 10, 100 OR 1000.

To divide a decimal by  
10 , 100 or 1000:  
Move the decimal point  
to left as the number of  
zeros.

$$2.35 \div 10 = 0.235$$


There is one zero so the decimal point moves to one place left

**DIVISION OF  
DECIMALS**

# DIVISION OF DECIMAL BY 10, 100 OR 1000.

Example: 1

$$360.036 \div 100 = 3.60036$$

$$369.123 \div 1000 = 0.369123$$

$$871 \div 100 = 8.71$$

$$5069 \div 10 = 506.9$$

**DIVISION OF  
DECIMALS**

## EXERCISE 10 [ E ]

I. Divide the following by 10, 100, 1000

|             | by 10   | by 100   | by 1000   |
|-------------|---------|----------|-----------|
| a. 12 =     | 1.2     | 0.12     | 0.012     |
| b. 75 =     | 7.5     | 0.75     | 0.075     |
| c. 1767 =   | 176.7   | 17.67    | 1.767     |
| d. 89.76 =  | 8.976   | 0.8976   | 0.08976   |
| e. 201.2 =  | 20.12   | 2.012    | 0.2012    |
| f. 0.89 =   | 0.089   | 0.0089   | 0.00089   |
| g. 0.08 =   | 0.008   | 0.0008   | 0.00008   |
| h. 0.0076 = | 0.00076 | 0.000076 | 0.0000076 |

## EXERCISE 10 [ E ]

### 2. Write down the values

$$\text{a. } 64.83 \div 100 = \frac{6483}{100} \div 100 = \frac{6483}{100} \times \frac{1}{100}$$

$$= \frac{6483}{10000} = 0.6483$$

$$\text{b. } 328 \div 1000 =$$

$$= \frac{328}{1000} = 0.328$$

## EXERCISE 10 [ E ]

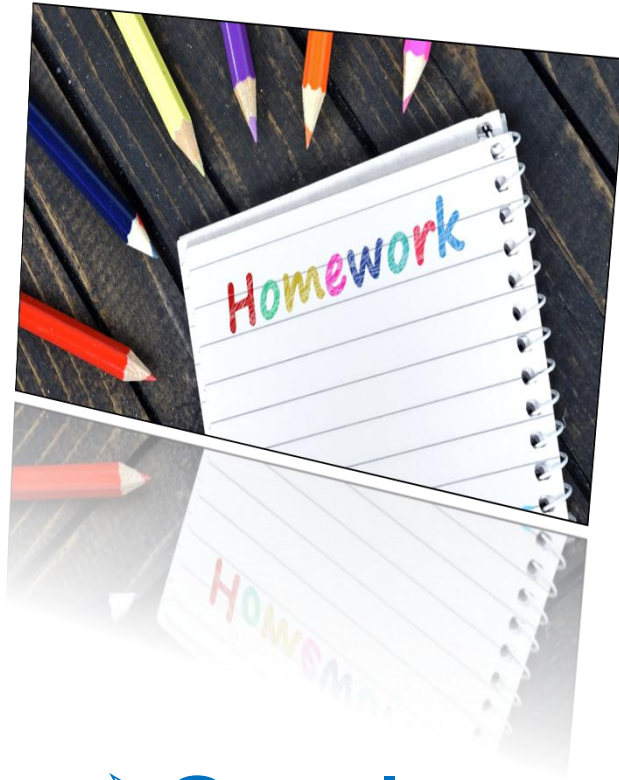
### 2. Write down the values

$$\text{c. } 17.48 \div 10 = \frac{1748}{100} \div 10 = \frac{1748}{100} \times \frac{1}{10}$$

$$= \frac{1748}{1000} = 1.748$$

$$\text{d. } 217.4 \div 100 = \frac{2174}{10} \div 100 = \frac{2174}{10} \times \frac{1}{100}$$

$$= \frac{2174}{1000} = 2.174$$



➤ **Complete exercise 10 E in the note book.**



The logo for 'Learning Outcomes' features the words 'Learning' and 'Outcomes' in a large, bold, black font with a yellow outline. A red apple is positioned above the letter 'i' in 'Learning', and a blue graduation cap is positioned to the left of the word 'Outcomes'.

# Learning Outcomes

**Students are able to divide decimal fractions by 10,  
100, 1000.**

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