



MONTH : SEPTEMBER

SESSION : 9

CLASS : V

SUBJECT : MATHEMATICS

CHAPTER NUMBER: 10

CHAPTER NAME : DECIMAL FRACTIONS

SUB-TOPIC : DECIMAL FRACTIONS, PLACE VALUE CHART, EXPANDED

FORM , EXERCISE 10 A Q.NO.1 TO 4

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LEARNING OBJECTIVE :

Enable the students

- **To use decimal points to write numbers less than one**
- **To describe the relationship between place value and decimal points**
- **To read and write numbers with decimal points.**

CH. 10 DECIMAL FRACTION

A decimal fraction is one whose denominator is 10 or multiples of 10.

$$\frac{3}{10}$$

$$\frac{73}{100}$$

$$\frac{29}{100}$$

$$\frac{641}{10}$$

$$\frac{127}{1000}$$



CH. 10 DECIMAL FRACTION

EXAMPLES:

WRITE

READ

→ $\frac{641}{10}$

= 64.1

= Sixty-four point one

→ $\frac{127}{1000}$

= 0.127

= Zero point one two seven

→ 12 $\frac{71}{100}$

= 12.71

= Twelve point seven one

7.29

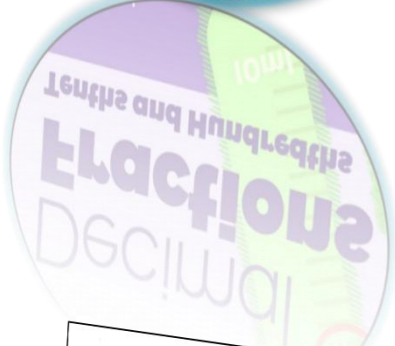
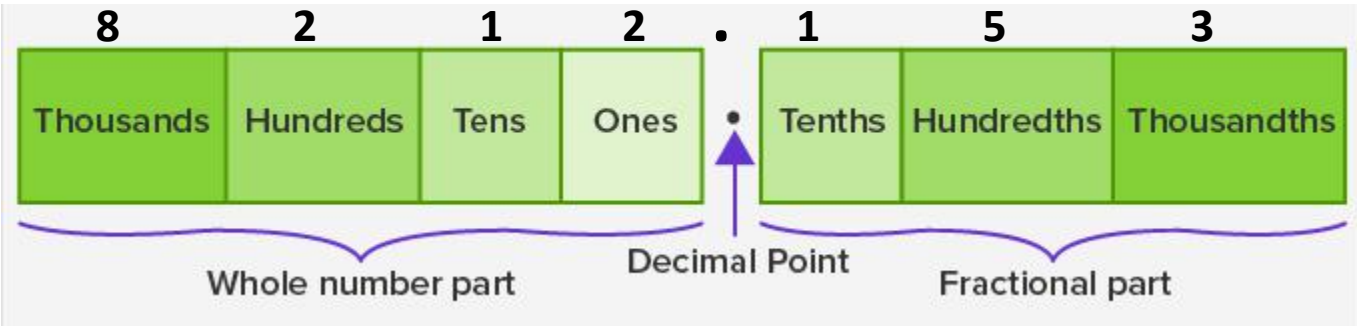
"seven point two nine"

63.174

"sixty-three point one seven four"



PLACE VALUE CHART



Decimals



PA Assessment Anchor A.1.2.2



Expanded Form with Decimals



T H O U S A N D S	H U N D R E D S	T E N S	O N E S	D E C I M A L	T E N T H S	H U N D R E D T H S	T H O U S A N D T H S
	3	1	7	.	2	9	

$$300 + 10 + 7 + 0.2 + 0.09$$



EXPANDED FORM



Examples:

487. 123 = Four hundreds + 8 tens+ 7 ones + one tenths + 2 hundredths + 3 thousandths

$$= 400 + 80 + 7 + \frac{1}{10} + \frac{2}{100} + \frac{3}{1000}$$

$$= 400 + 80 + 7 + 0.1 + 0.02 + 0.003$$



EXERCISE 10 [A]



1. WRITE THE DECIMAL FRACTIONS IN WORDS.

- a. $0.9 =$ Zero point nine
- b. $0.07 =$ Zero point zero seven
- c. $0.083 =$ Zero point zero eight three
- d. $0.014 =$ Point zero one four
- e. $0.005 =$ Point zero zero five



2. WRITE THE FOLLOWING IN FRACTION AND DECIMAL FORM

a. Two tenth =	$\frac{2}{10}$	0.2
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b. Four and five tenth =	$4\frac{5}{10}$	4.5
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c. Five - hundredth =	$\frac{5}{100}$	0.05
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d. Eleven and three hundredth =	$11\frac{3}{100}$	11.03
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EXERCISE 10 [A]



e. Seventy two hundredth $\frac{72}{100}$ 0.72

f. Sixteen and twenty seven hundredth $16\frac{27}{100}$ 16.27

3. EXPRESS THE FOLLOWING IN DECIMAL FRACTIONS

a. $\frac{12}{100} = 0.12$

b. $\frac{37}{100} = 0.37$

c. $\frac{1}{1000} = 0.001$

d. $\frac{35}{1000} = 0.035$



EXERCISE 10 [A]

4. WRITE THE FOLLOWING IN FRACTIONS OR IN MIXED NUMBERS.

$$\text{a. } 0.45 = \frac{45}{100} = \frac{9}{20}$$

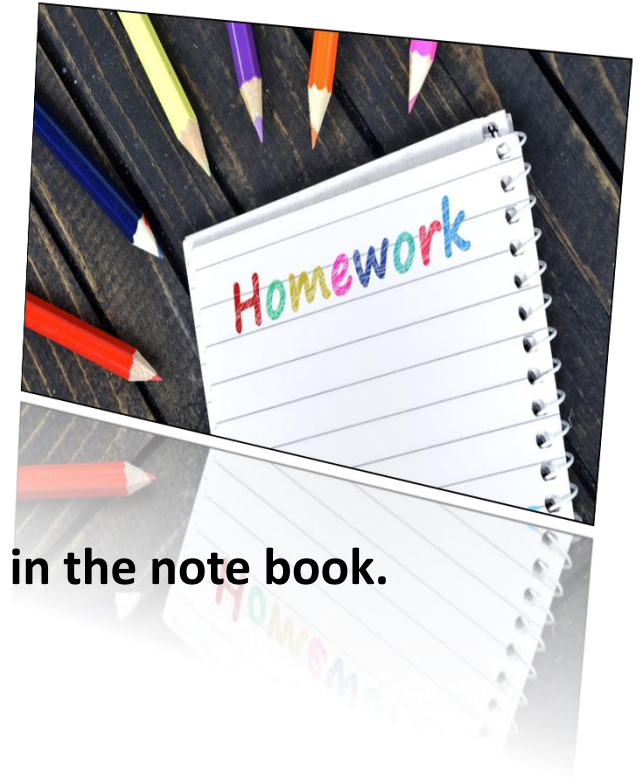
$$\text{b. } 0.124 = \frac{124}{1000} = \frac{31}{250}$$

$$\text{c. } 0.049 = \frac{49}{1000} = \frac{49}{1000}$$

$$\text{d. } 0.055 = \frac{55}{1000} = \frac{11}{200}$$

$$\text{e. } 9.05 = 9\frac{5}{100} = 9\frac{1}{20}$$





- **Complete exercise 10 A q.no. 1 to 5 in the note book.**

The logo for 'Learning Outcomes' features the word 'Learning' in a bold, black, sans-serif font with a yellow outline and a drop shadow. A small red apple with a green leaf is positioned above the letter 'i'. Below 'Learning' is the word 'Outcomes' in the same bold, black, sans-serif font with a yellow outline and a drop shadow. To the left of the text is a blue graduation cap with a tassel.

Learning Outcomes

Students are able to solve various problems related to fractions.

THANKING YOU
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