



MONTH : SEPTEMBER

SESSION : 10

CLASS : V

SUBJECT : MATHEMATICS

CHAPTER NUMBER: 10

CHAPTER NAME : DECIMAL FRACTIONS

SUB-TOPIC : TYPES OF DECIMAL FRACTIONS, COMPARISON,

EXERCISE 10 A Q.NO.7 AND 8

CHANGING YOUR TOMORROW

Website: www.odmegroup.org

Email: info@odmps.org

Toll Free: **1800 120 2316**

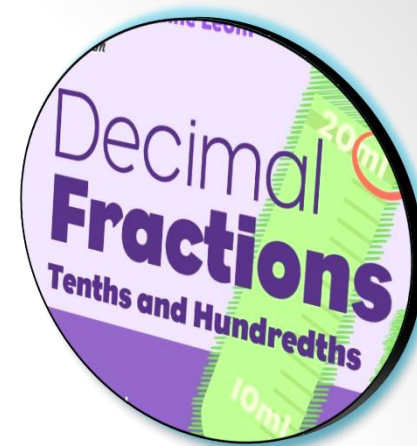
Sishu Vihar, Infocity Road, Patia, Bhubaneswar- 751024

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.**

EXERCISE 10 [A]



6. WRITE IN EXPANDED FORM.

a. $0.48 = 0 + .4 + .08$

b. $0.714 = 0 + .7 + .01 + .004$

c. $1.75 = 1 + .7 + .05$

d. $23.345 = 20 + 3 + .3 + .04 + .005$

e. $9.062 = 9 + .06 + .002$

f. $52.005 = 50 + 2 + .005$

g. $5.015 = 5 + .01 + .005$

h. $815.426 = 800 + 10 + 5 + .4 + .02 + .006$

TYPES OF DECIMAL FRACTIONS



1 LIKE DECIMAL

If two decimal fractions have equal number of decimal places.

- 0.45
- 123.35
- 54.09

2 UNLIKE DECIMAL

If two decimal fractions have unequal number of decimal places.

- 0.45
- 123.325
- 54.9



TYPES OF DECIMAL FRACTIONS



3 EQUIVALENT DECIMAL

When the decimal fractions are equal in value.

➤ $0.4 = 0.400 = 0.40$
➤ $12.2 = 12.20 = 12.2000$
➤ $54.09 = 54.090 = 54.0900$

Adding any no. of 0 at the extreme right in the decimal part doesn't change the value



Steps to success

3001maths.com

1) First look to ordering the units digit

3.1

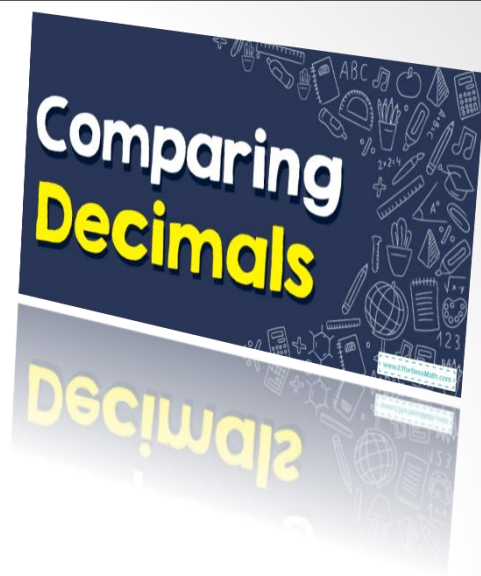
4.1

4 is bigger than 3

$$25.58 < 29.58$$

$$88.08 > 80.23$$

$$205.25 < 512.63$$



2) Now look at the tenths digit

2.1

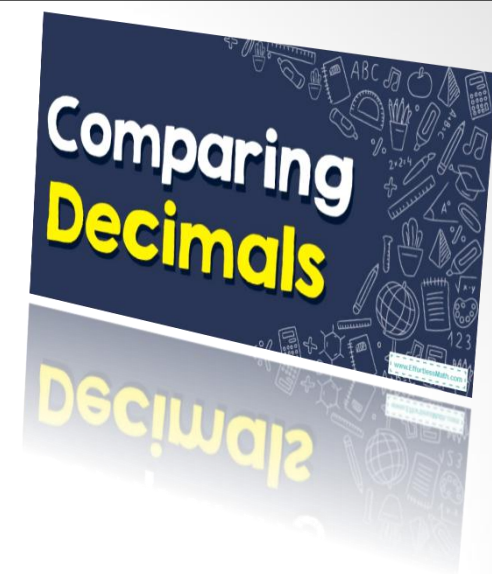
2.6

0.6 is bigger than 0.1

$$25.8 < 25.9$$

$$48.6 > 48.2$$

$$5.2 < 5.4$$

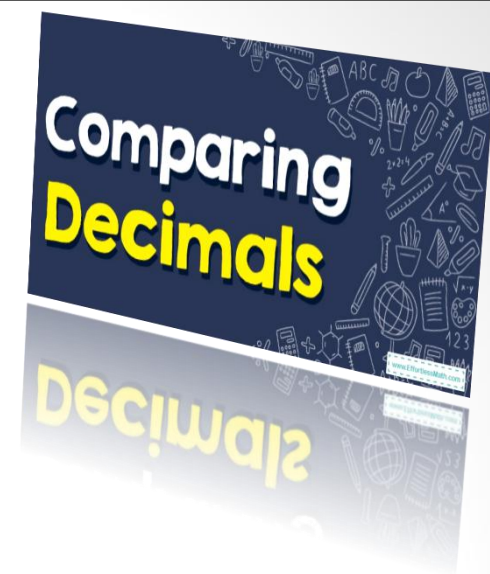


3) Finally look at the hundredths digit

0.56

0.51

0.56 is bigger than 0.51



$$0.82 < 0.85$$

$$48.63 > 48.62$$

$$5.20 < 5.25$$

EXERCISE 10 A

7. Write $>$ or $<$

a. 0.46 $<$ 0.5

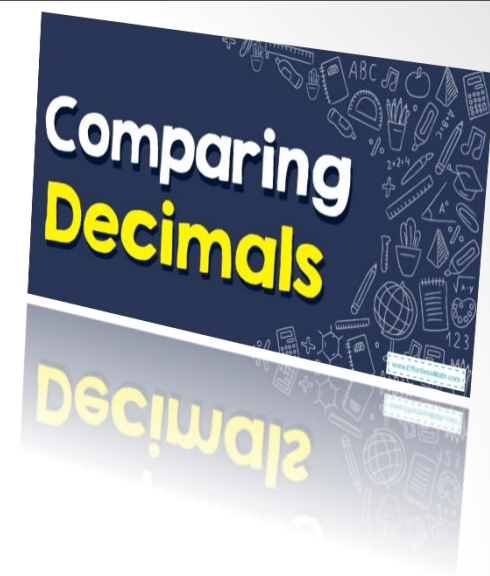
b. 0.008 $<$ 0.1

c. 0.76 $>$ 0.09

d. 0.48 $<$ 0.7

e. 0.125 $<$ 0.307

f. 0.009 $<$ 0.04



EXERCISE 10 A

*Let's
Solve
This!*

8. Arrange the following in ascending order using $>$ or $<$

a. 0.6 , 0.43 , 0.7

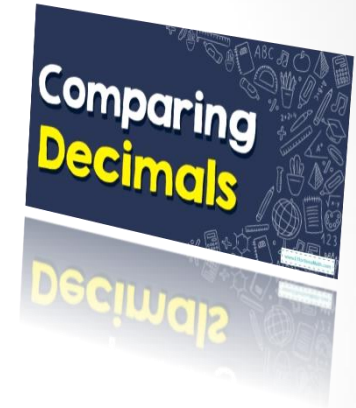
ans. **0.43 < 0.6 < 0.7**

b. 0.014 , 0.8 , 0.006

ans. **0.006 < 0.014 < 0.8**

c. 0.123 , 0.321 , 0.103

ans. **0.103 < 0.123 < 0.321**



EXERCISE 10 A

*Let's
Solve
This!*

8. Arrange the following in ascending order using $>$ or $<$

d. 0.9 , 0.83 , 0.8

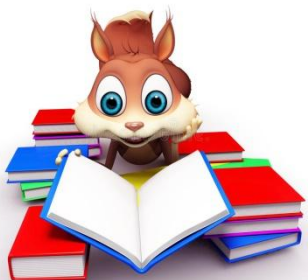
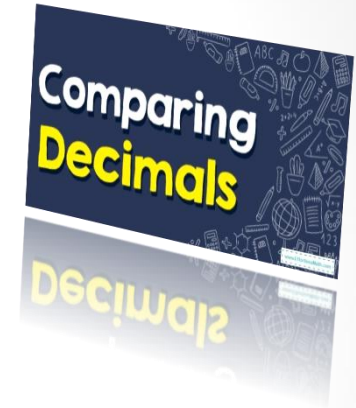
ans. **0.8 < 0.83 < 0.9**

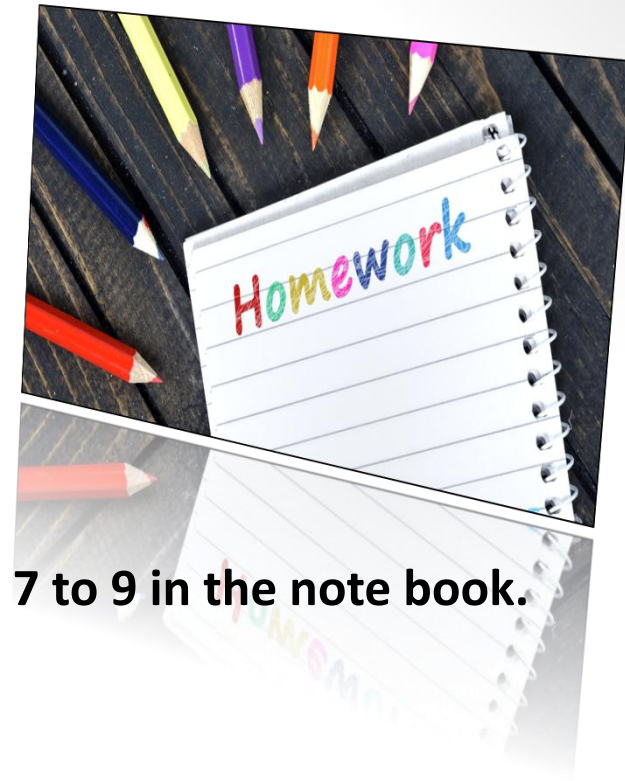
e. 3.46 , 1.95 , 1.99

ans. **1.95 < 1.99 < 3.46**

f. 11.21 , 11.211 , 11.112

ans. **11.112 < 11.21 < 11.211**





- **Complete exercise 10 A q.no. 7 to 9 in the note book.**

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

Learning Outcomes

Students are able to solve various problems related to fractions.

THANKING YOU
ODM EDUCATIONAL GROUP