

MONTH: NOVEMBER

SESSION: 3

CLASS: V

SUBJECT: MATHEMATICS

CHAPTER NUMBER: 10

CHAPTER NAME: DECIMAL FRACTIONS

SUB-TOPIC: DIVISION OF DECIMAL FRACTIONS BY A WHOLE NUMBER

AND DECIMAL. EXERCISE 10 F

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 divide decimal fractions by 10,100,1000 etc.
- To divide decimal fractions by a whole number and by a decimal fractions

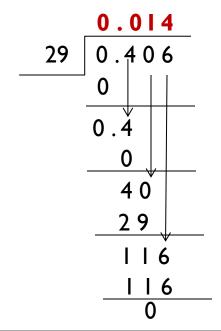
DIVISION OF DECIMAL BY WHOLE NUMBER



Example: Divide 0.406 by 29

$$0.406 \div 29 = \frac{\frac{14}{406}}{1000} \times \frac{1}{\frac{29}{1000}} = 0.014$$

Or





DIVISION OF DECIMAL BY WHOLE NUMBER



Example: Divide 82. 25 by 5

$$82.25 \div 5 = \frac{8225}{100} \times \frac{1}{5} = 16.45$$



DIVISION OF DECIMAL BY DECIMAL



Divide 0.8432 by 0.8

$$0.8432 \div 0.8 = \frac{8432}{10000} \div \frac{8}{10}$$

$$\frac{8432}{10000} \times \frac{10}{8} = 1054$$

$$= 1.054$$





I. Divide

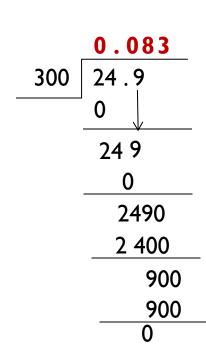
a. 0.406 by 29

$$0.406 \div 29 = \frac{\frac{14}{406}}{1000} \times \frac{1}{\frac{29}{29}} = 0.014$$

b. 24.9 by 300

= 0.083

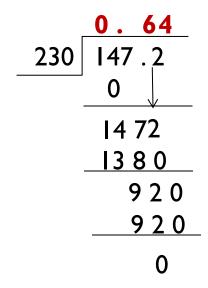
DIVISION OF DECIMALS





I. Divide

c. 147.2 by 230







I. Divide

d. 650.3 by 7000

= 0.0929

	0.0929
7000	650.3
	0
	650 3
_	0.
	65030
	63000
	20300
	14000
	63000
	63000
	0





I. Divide

e. 17.4 by 2000

= 0.0087

0.0087
2000 17.4
0
174
0.
1740
0
17400
16000
14000
14000
0





I. Divide

f. 108.8 by 8000

= 0.0136

	0.0136
8000	108.8
	0
	1088
_	0.
	10880
_	8000
	28800
	24000
	48000
	48000
	0





I. Divide

g. 0.8432 by 0.8

$$0.8432 \div 0.8 = \frac{8432}{10000} \div \frac{8}{10}$$

$$\frac{8432}{10000} \times \frac{10}{8} = 1054$$

$$= 1.054$$





I. Divide

h. 316. 96 by 0.028

$$316.96 \div 0.028 = \frac{31696}{100} \div \frac{28}{1000}$$

1132

$$\frac{31696}{100} \times \frac{1000}{28} = 11320$$







Complete exercise 10 F in the note book.





Students are able to divide decimal fractions by 10, 100, 1000 and whole number.



THANKING YOU ODM EDUCATIONAL GROUP