

# Decimal Place Value

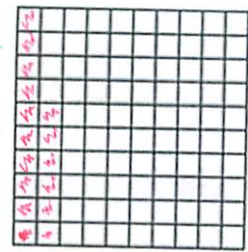
decimal - a # with one or more digits to the right of a decimal point.

- related to fractions w/ multiples of 10 as denominator

Ex:



$$\frac{3}{10} = .3$$



$$\frac{16}{100} = .16$$

decimal point: placed to left of the fractional part to tell us # is less than a whole #.

whole #s

parts

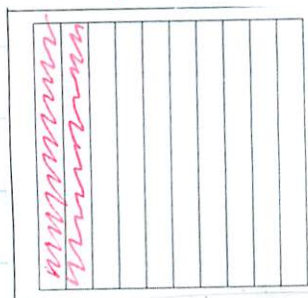


↑ decimal point

tenths: One of ten equal parts of a whole

- place value to the right of the  $\cdot$  (dp)

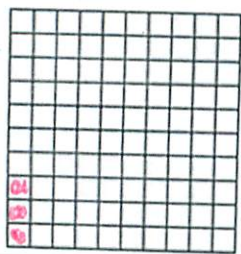
Ex:



$$= \frac{2}{10} \text{ or } .2$$

Hundredths: One of 100 equal parts of a whole

- place value two spaces right of  $\cdot$



$$\frac{3}{100}$$

ones	$\cdot$	tenths	hundredths
0	$\cdot$	0	3

Thousandths: One of 1,000 equal parts of a whole

- place value three spaces right of  $\cdot$

ones	$\cdot$	tenths	hundredths	thousandths

Equivalent decimals: 2 or more decimals that name the same amount

ones	$\cdot$	tenths	hundredths
	$\cdot$	3	0

$$.3 = .30$$