Decimal Fractions NAME:

A decimal is a numeral in the decimal number system.

- A decimal can represent a fraction.

  For example: $\frac{3}{10}$ as a decimal is 0.3

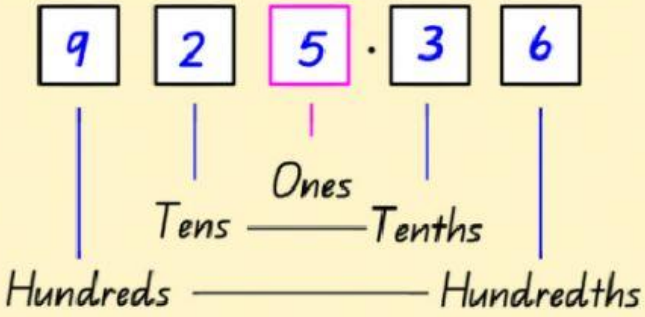
- A decimal can represent a whole number and a fraction.

  For example: $4\frac{3}{10}$ as a decimal is 4.3

0.3 and 4.3 are both decimals.

Look at the number 925.36

Can you see the symmetrical pattern to the place names around the ones place?



The decimal point separates the whole numbers from the fractional numbers.

Write these numbers in the Place Value Chart

How is this place value chart different to the one in Task 1? Briefly explain.

	Thousands			Ones				Parts of one	
								tenths	hundreths
	H	T	O	H	T	O	.	t	h
a. fifty-two and five hundredths							.		
b. thirteen and twenty-five							.		
c. two thousand, one hundred and forty-six, and seven tenths							.		
d. one hundred thousand, four hundred and five and twenty-five hundredths							.		
e. two hundred and fifty-six thousand and seven, and eight enths							.		
f. fifteen thousand, four hundred and forty, and forty-three hundredths							.		

Write these numbers as a decimal number

Fourteen and seventeen hundredths

Thirteen thousand and sixty-four, and two tenths

Twenty thousand and fifty-six, and eight hundredths

One hundred and eight, and eighteen hundredths

Forty-nine and seventy-five hundredths

Five hundred and fifty-six thousand, four hundred and six, and five tenths

LIVEWORKSHEETS