

## 4. Exploring Decimals

### Remember

◆ You can write the fraction as a decimal using a **symbol**, the decimal point.

$\frac{3}{10}$  is the same as 0.3. We say 0.3 as "zero and three-tenths."

Since  $\frac{3}{10}$ , or 0.3, is **less than 1 whole**, we write 0 before the decimal point to show there is no whole number part.

◆ You can also use a place-value chart to show a decimal.

The decimal point is between the units place and the tenths place.

Units	Tenths
0	3

### Look and learn

◆ Tenth: one part in 10 equal parts or  $1 \div 10$ .

◆ Hundredth: one part in 100 equal parts, or  $1 \div 100$ .

◆ Place value holder: use of zero to **hold other digits** in position to show the correct size of a number. For example, in 0.4 the '0' acts as a **placeholder** for the units.

T	U	.	tenths	hundredth
0	.	4		

Write each fraction as a decimal.

a)  $\frac{7}{10}$

b)  $\frac{2}{10}$

c)  $\frac{8}{10}$

Write each decimal as a fraction.

a) 0.2

b) 0.9

c) 0.8

d) 0.7

e) 0.1

f) 0.4

Write the correct sign  $>$  or  $<$  between each pair of numbers.

a) 3.4  3.04

b) 4.5  4

c) 3.8  3.3

d) 1.1  1.2