

Name: ..... Class: .....

Relationship between decimal place values

	$\times 10$	$\times 10$	$\times 10$	$\times 10$	$\times 10$	$\times 10$	$\times 10$	$\times 10$	
...	thousands	hundreds	tens	ones	tenths	hundredths	thousandths	...	
...	1 000	100	10	1	0.1	0.01	0.001	...	
	$\div 10$	$\div 10$	$\div 10$	$\div 10$	$\div 10$	$\div 10$	$\div 10$	$\div 10$	

a. Complete the expression below.

\_\_\_\_\_ is 10 times same as 0.3.

b. Complete the expression below.

\_\_\_\_\_ is 10 times same as 0.005.

c. Complete the expression below.

\_\_\_\_\_ is 10 times same as 0.07.

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## Relationship between decimal place values

...	thousands	hundreds	tens	ones	tenths	hundredths	thousandths	...
...	1 000	100	10	1	0.1	0.01	0.001	...

Diagram showing the relationship between decimal place values. Red arrows labeled  $\times 10$  point from thousands to hundreds, hundreds to tens, tens to ones, ones to tenths, tenths to hundredths, and hundredths to thousandths. Red arrows labeled  $\div 10$  point from thousands to hundreds, hundreds to tens, tens to ones, ones to tenths, tenths to hundredths, and hundredths to thousandths.

**a. Complete the expression below.**

\_\_\_\_\_ is 10 times same as 0.3.

Let's first of all determine where 0.3 falls on the place value chart from the table above it falls on the tenths place.

So, let's multiply  $0.3 \times 10$  to get the number that is 10 times same as 0.3.

$$0.3 \times 10 = 3$$

So, 3 is 10 times same as 0.3

**b. Complete the expression below.**

\_\_\_\_\_ is 10 times same as 0.005.

Let's first of all determine where 0.005 falls on the place value chart from the table above it falls on the thousandths place.

So, let's multiply  $0.005 \times 10$  to get the number that is 10 times same as 0.005.

$$0.005 \times 10 = 0.05$$

So, 0.05 is 10 times same as 0.005

**c. Complete the expression below.**

\_\_\_\_\_ is 10 times same as 0.07.

Let's first of all determine where 0.07 falls on the place value chart from the table above it falls on the hundredths place.

So, let's multiply  $0.07 \times 10$  to get the number that is 10 times same as 0.07.

$$0.07 \times 10 = 0.7$$

So, 0.7 is 10 times same as 0.07