

Decimal Place Value Practice

Name: _____

Date: _____

Question 1

Determine the value of the underlined digit in the number

I. 35.487

Place Value Chart														
thousands			ones			.	decimal place values							
hundreds	tens	ones	hundreds	tens	ones		tenths	hundredths	thousandths	ten thousandths	hundred thousandths	millionths	ten millionths	hundred millionths

II. 450.1

Place Value Chart														
thousands			ones			.	decimal place values							
hundreds	tens	ones	hundreds	tens	ones		tenths	hundredths	thousandths	ten thousandths	hundred thousandths	millionths	ten millionths	hundred millionths

III. 555,555.07

Place Value Chart														
thousands			ones			.	decimal place values							
hundreds	tens	ones	hundreds	tens	ones		tenths	hundredths	thousandths	ten thousandths	hundred thousandths	millionths	ten millionths	hundred millionths

IV. 100.00000001

Place Value Chart														
thousands			ones			.	decimal place values							
hundreds	tens	ones	hundreds	tens	ones		tenths	hundredths	thousandths	ten thousandths	hundred thousandths	millionths	ten millionths	hundred millionths

Decimal Place Value Practice

Question 2

Name the digit that names the number of tenths

I. 70.598

Place Value Chart														
thousands			ones			.	decimal place values							
hundreds	tens	ones	hundreds	tens	ones		tenths	hundredths	thousandths	ten thousandths	hundred thousandths	millionths	ten millionths	hundred millionths

Name the digit that names the number of ten thousandths

II. 450.7778

Place Value Chart														
thousands			ones			.	decimal place values							
hundreds	tens	ones	hundreds	tens	ones		tenths	hundredths	thousandths	ten thousandths	hundred thousandths	millionths	ten millionths	hundred millionths

Name the digit that names the number of millionths

III. 0.900005

Place Value Chart														
thousands			ones			.	decimal place values							
hundreds	tens	ones	hundreds	tens	ones		tenths	hundredths	thousandths	ten thousandths	hundred thousandths	millionths	ten millionths	hundred millionths

Name the digit that names the number of hundred millionths

IV. 1.45005003

Place Value Chart														
thousands			ones			.	decimal place values							
hundreds	tens	ones	hundreds	tens	ones		tenths	hundredths	thousandths	ten thousandths	hundred thousandths	millionths	ten millionths	hundred millionths

Decimal Place Value Practice

Question 3

What is the value of the digit 5 in each number

I. 0.005

Place Value Chart														
thousands			ones			.	decimal place values							
hundreds	tens	ones	hundreds	tens	ones		tenths	hundredths	thousandths	ten thousandths	hundred thousandths	millionths	ten millionths	hundred millionths

II. 8.111115

Place Value Chart														
thousands			ones			.	decimal place values							
hundreds	tens	ones	hundreds	tens	ones		tenths	hundredths	thousandths	ten thousandths	hundred thousandths	millionths	ten millionths	hundred millionths

III. 1.05

Place Value Chart														
thousands			ones			.	decimal place values							
hundreds	tens	ones	hundreds	tens	ones		tenths	hundredths	thousandths	ten thousandths	hundred thousandths	millionths	ten millionths	hundred millionths

IV. 1.77775

Place Value Chart														
thousands			ones			.	decimal place values							
hundreds	tens	ones	hundreds	tens	ones		tenths	hundredths	thousandths	ten thousandths	hundred thousandths	millionths	ten millionths	hundred millionths

V. 780.445

Place Value Chart														
thousands			ones			.	decimal place values							
hundreds	tens	ones	hundreds	tens	ones		tenths	hundredths	thousandths	ten thousandths	hundred thousandths	millionths	ten millionths	hundred millionths

Decimal Place Value Practice

Name: _____ **Key** _____

Date: _____

Question 1

Determine the value of the underlined digit in the number

- I. 35.487
7 thousandths

Place Value Chart														
thousands			ones			.	decimal place values							
hundreds	tens	ones	hundreds	tens	ones		tenths	hundredths	thousandths	ten thousandths	hundred thousandths	millionths	ten millionths	hundred millionths
				3	5		4	8	7					

- II. 450.1
1 tenth

Place Value Chart														
thousands			ones			.	decimal place values							
hundreds	tens	ones	hundreds	tens	ones		tenths	hundredths	thousandths	ten thousandths	hundred thousandths	millionths	ten millionths	hundred millionths
			4	5	0		1							

- III. 555,555.07
0 tenths

Place Value Chart														
thousands			ones			.	decimal place values							
hundreds	tens	ones	hundreds	tens	ones		tenths	hundredths	thousandths	ten thousandths	hundred thousandths	millionths	ten millionths	hundred millionths
5	5	5	5	5	5		0	7						

- IV. 100.00000001
1 hundred millionth

Place Value Chart														
thousands			ones			.	decimal place values							
hundreds	tens	ones	hundreds	tens	ones		tenths	hundredths	thousandths	ten thousandths	hundred thousandths	millionths	ten millionths	hundred millionths
			1	0	0		0	0	0	0	0	0	0	1

Decimal Place Value Practice

Question 2

Name the digit that names the number of tenths

I. 70.598

5

Place Value Chart													
thousands			ones			.	decimal place values						
hundreds	tens	ones	hundreds	tens	ones		tenths	hundredths	thousandths	ten thousandths	hundred thousandths	millionths	ten millionths
				7	0		5	9	8				

Name the digit that names the number of ten thousandths

II. 450.7778

8

Place Value Chart													
thousands			ones			.	decimal place values						
hundreds	tens	ones	hundreds	tens	ones		tenths	hundredths	thousandths	ten thousandths	hundred thousandths	millionths	ten millionths
			4	5	0		7	7	7	8			

Name the digit that names the number of millionths

III. 0.900005

5

Place Value Chart													
thousands			ones			.	decimal place values						
hundreds	tens	ones	hundreds	tens	ones		tenths	hundredths	thousandths	ten thousandths	hundred thousandths	millionths	ten millionths
					0		9	0	0	0	0	5	

Name the digit that names the number of hundred millionths

IV. 1.45005003

3

Place Value Chart													
thousands			ones			.	decimal place values						
hundreds	tens	ones	hundreds	tens	ones		tenths	hundredths	thousandths	ten thousandths	hundred thousandths	millionths	ten millionths
					1		4	5	0	0	5	0	0

Decimal Place Value Practice

Question 3

What is the value of the digit 5 in each number

I. 0.005

5 thousandths

Place Value Chart												
thousands			ones			.	decimal place values					
hundreds	tens	ones	hundreds	tens	ones		tenths	hundredths	thousandths	ten thousandths	hundred thousandths	millionths
					0		0	0	5			

II. 8.111115

5 ten millionths

Place Value Chart												
thousands			ones			.	decimal place values					
hundreds	tens	ones	hundreds	tens	ones		tenths	hundredths	thousandths	ten thousandths	hundred thousandths	millionths
					8		1	1	1	1	1	5

III. 1.05

5 hundredths

Place Value Chart												
thousands			ones			.	decimal place values					
hundreds	tens	ones	hundreds	tens	ones		tenths	hundredths	thousandths	ten thousandths	hundred thousandths	millionths
					1		0	5				

IV. 1.77775

5 hundred thousandths

Place Value Chart												
thousands			ones			.	decimal place values					
hundreds	tens	ones	hundreds	tens	ones		tenths	hundredths	thousandths	ten thousandths	hundred thousandths	millionths
					1		7	7	7	7	5	

V. 780.445

5 thousandths

Place Value Chart												
thousands			ones			.	decimal place values					
hundreds	tens	ones	hundreds	tens	ones		tenths	hundredths	thousandths	ten thousandths	hundred thousandths	millionths
			7	8	0		4	4	5			