

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	decimal	tenths	hundreths	thousandths	ten thousandths	hundred thousandths	millionths

II. 450.1

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

III. 555,555.07

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

IV. 100.000000001

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

II. 8.111115

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

III. 1.05

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

IV. 1.77775

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

V. 780.445

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

II. 450.1

1 tenth

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

III. 555,555.07

0 tenths

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

IV. 100.000000001

1 hundred millionth

Place Value Chart													
thousands			ones			.	decimal place values						
			1	0	0		0	0	0	0	0	0	1
hundreds	tens	ones	hundreds	tens	ones	decimal	tenths	hundreths	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

5

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

Name the digit that names the number of ten thousandths

II. 450.7778

8

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

Name the digit that names the number of millionths

III. 0.900005

5

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

Name the digit that names the number of hundred millionths

IV. 1.45005003

3

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

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						
					0		0	0	5				
hundreds	tens	ones	hundreds	tens	ones	decimal	tenths	hundredths	thousandths	ten thousandths	hundred thousandths	millionths	ten hundred millionths

II. 8.111115

5 ten millionths

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

III. 1.05

5 hundredths

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

IV. 1.77775

5 hundred thousandths

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

V. 780.445

5 thousandths

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