

Name _____ **Math Quiz** Date _____

Consider the following equations

a) $6.34 / 100 =$

b) $780 \times 10 =$

c) $837 / 1000 =$

d) $0.0008 \times 100\,000 =$

e) $689.5 / 1\,000 =$

f) $1.002 \times 1\,000 =$

g) $899\,991 / 100 =$

h) $85.32 \times 10\,000 =$

i) $62 / 10 =$

j) $6.2 \times 100 =$

Part 1) Solve each division or multiplication problem using the “electric slide” decimal shift technique.

a)

f)

b)

g)

c)

h)

d)

i)

e)

j)

- a) $6.34 / 100 =$
- b) $780 \times 10 =$
- c) $837 / 1000 =$
- d) $0.0008 \times 100\,000 =$
- e) $689.5 / 1\,000 =$

- f) $1.002 \times 1\,000 =$
- g) $899\,991 / 100 =$
- h) $85.32 \times 10\,000 =$
- i) $62 / 10 =$
- j) $6.2 \times 100 =$

Part 2) Use the place value chart to represent each equation

	Hundred	Ten							Ten
	Thousands	Thousands	Thousands	Hundreds	Tens	Ones	Tenths	Hundredths	Thousandths
	H	T T	T	H	T	O	t	h	th
a)						6	3	4	
b)				7	8	0			
c)				8	7	3			
d)							0	0	0 8
e)				6	8	9	5		
f)						1	0	0	2
g)	8	9	9	9	9	1			
h)					8	5	3	2	
i)					6	2			
j)						6	2		

Part 3) Long Division of Decimal Fractions

*Remember to simplify your equation

a)

b)

c)

d)

e)

f)

g) Mr. Smith adds 2 dozen eggs to a container that already contains 340 eggs. A customer wants $\frac{1}{4}$ of all the eggs sent to his mother and $\frac{3}{4}$ of the eggs sent to his father. How many eggs does each parent receive?