

Function Machines

1.)

(a) in	(b) out
7	10
11	14
23	26
31	34

$in + 3 = out$

$a + 3 = b$

$in + 3 = out$

2.)

(c) in	(d) out
2	6
7	21
11	33
14	42

$c * 3 = d$

$3c = d$

3.)

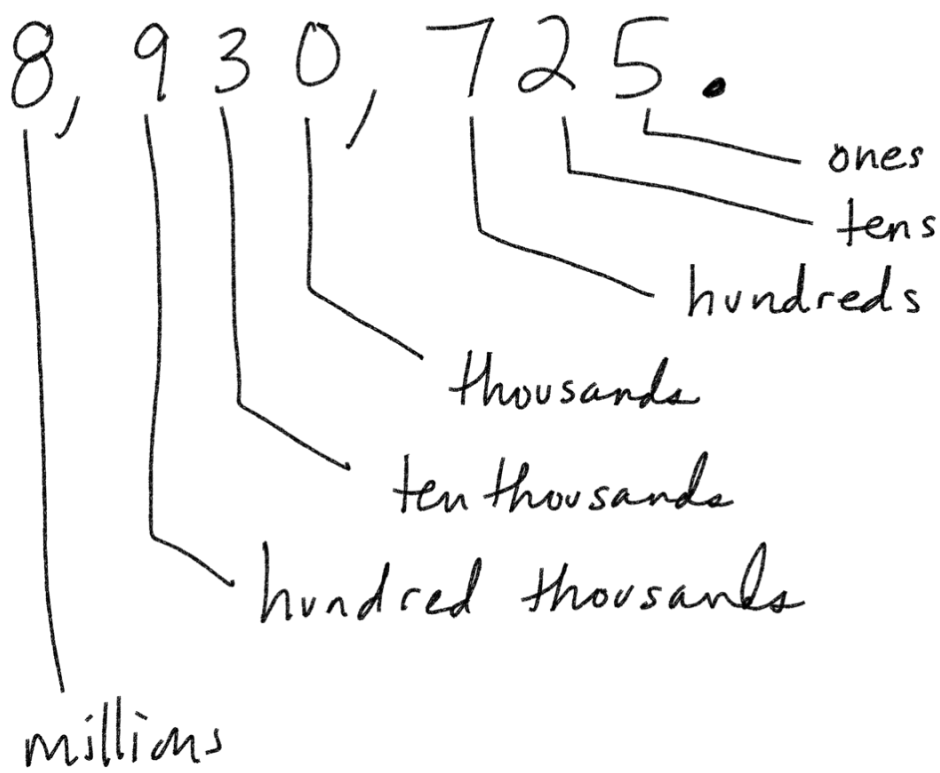
in (e)	14	28	35	140
out (f)	2	4	5	20

$$\frac{e}{7} = f$$

4.)

in (g)	14	27	17
out (h)	8	21	11

$$g - 6 = h$$



13, 782, 945

9 is in what place value → hundreds

8 → ten thousands

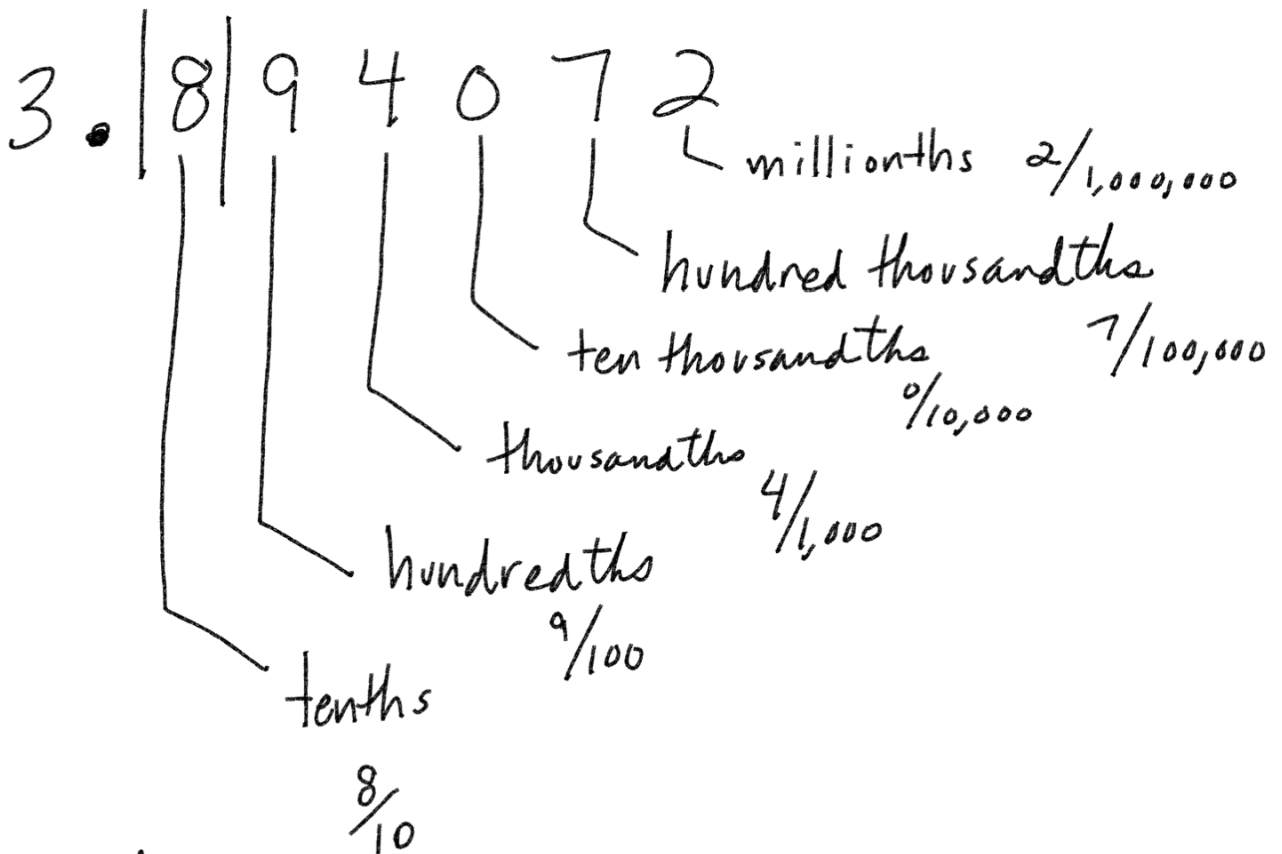
7 → hundred thousands

786,104

written form - seven hundred eighty six thousand one hundred four.

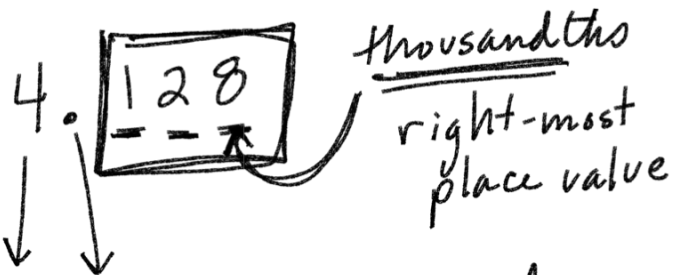
expanded form -

$$700,000 + 80,000 + 6,000 + 100 + 4$$



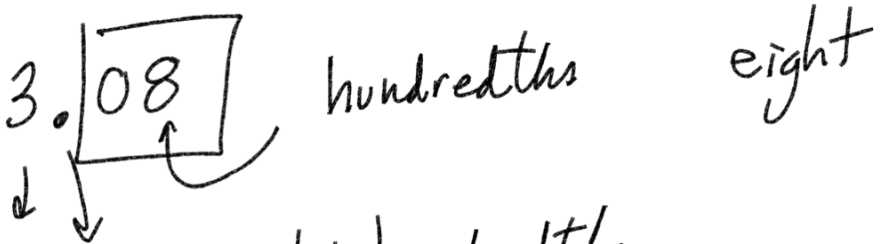
Expanded form

$$3 + \frac{8}{10} + \frac{9}{100} + \frac{4}{1,000} + \frac{7}{100,000} + \frac{2}{1,000,000}$$

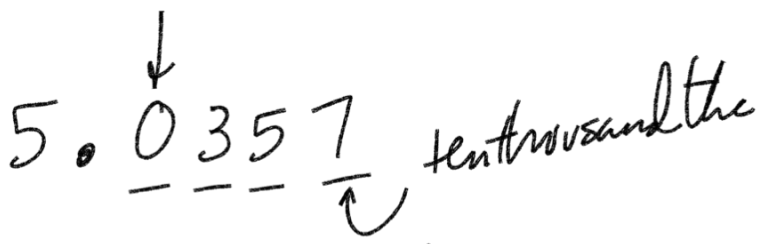


128 → "one hundred twenty eight"

four and one hundred twenty eight thousandths



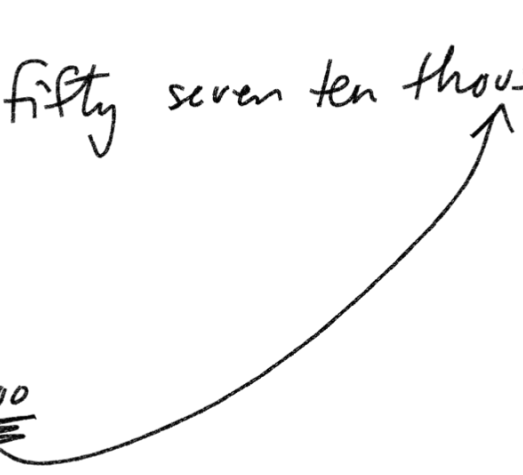
three and eight hundredths



five and three hundred fifty seven ten thousandths

Expanded form

$$5 + \frac{3}{100} + \frac{5}{1,000} + \frac{7}{\underline{\underline{\underline{10,000}}}}$$



Eliza
1.)

0.0487

four hundred eight seven ten thousandths

$$\frac{4}{100} + \frac{8}{1,000} + \frac{7}{10,000}$$

Mayer

2.)

9.0006

Nine and six thousandths

$$9 + \frac{6}{1,000}$$

Tyler

3.)

8.1038

eight and one thousand thirty eight ten thousandths

$$8 + \frac{1}{10} + \frac{3}{1,000} + \frac{8}{10,000}$$

Will

4.)

13.023

thirteen and twenty three thousandths

$$10 + 3 + \frac{2}{100} + \frac{3}{1,000}$$

Caroline

5.)

7.809

$$7 + \frac{8}{10} + \frac{9}{1,000}$$

seven and eight hundred nine thousandths

Emma

6.)

4.0087

four and eighty seven ten thousandths

$$4 + \frac{8}{1,000} + \frac{7}{10,000}$$

0. 1 7 8 9 4 3

8 → thousandths

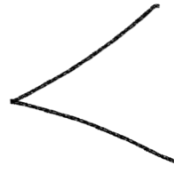
3 → millionths

4 → hundred thousandths

9 → ten thousandths

1 → tenths

inequalities



← Left than
Less than

Greater than

Less than

$8 > 3$ 8 is greater than 3

$5 < 9$ 5 is less than 9



$$\begin{array}{c} \downarrow \downarrow \\ 6.\underline{8}1 \\ \hline \end{array} > \begin{array}{c} \downarrow \downarrow \\ 6.\underline{3}7 \\ \hline \end{array}$$

$$\begin{array}{c} \downarrow \downarrow \\ 2.\underline{2}16 \\ \hline \end{array} > \begin{array}{c} \downarrow \downarrow \\ 2.\underline{1}49 \\ \hline \end{array}$$

5.75

5.7500000000

$$5.75 = 5.750$$

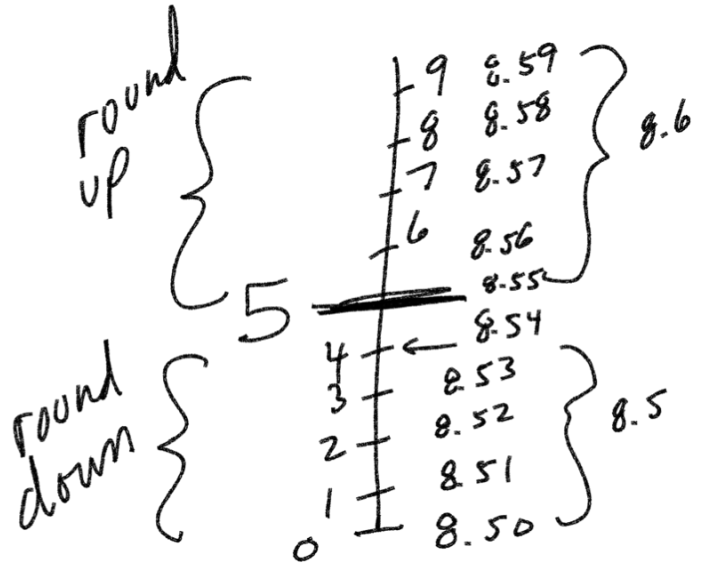
$$\begin{array}{c} \downarrow \\ 8.\underline{5}38 \\ \hline \end{array} > \begin{array}{c} \downarrow \\ 8.\underline{1}22 \\ \hline \end{array}$$

$$\begin{array}{c} \downarrow \downarrow \downarrow \downarrow \\ 9.\underline{32}\underline{8} \\ \hline \end{array} > \begin{array}{c} \downarrow \downarrow \downarrow \downarrow \\ 9.\underline{32}\underline{0}9 \\ \hline \end{array}$$

8.54
↑
tenth

Round to the nearest tenth

~~8.54~~



↓
310.286

Round
nearest tenth

310.3

consider 8 round up

↓
~~6.808~~

nearest whole number
7

consider 8 round up

↓
~~118.380~~

nearest hundredths

118.38

consider 0 round down

↓
~~65.85~~

nearest tenth

65.9

consider 5 round up

↓
76.684

nearest hundredth

76.68

consider 4 round down

↓
877.71

nearest tenth

877.7

consider 1 round down

↓
2.408

nearest hundredth

2.41

consider 8 round up

HW start
Word to Numeric w/ Decimals
pg 11-15 evens

Quiz 2

due tonight!

Quiz 3

due Oct 6th

Online homework #4

Quiz 4 (Thurs)
due Oct 13th