# T-MF Math Fundamentals Week 4 9/26

| | | | | | | |
|---|---|---|---|---|---|---|
| A | 7 | 8 | 9 | 10 | 23 | |
| B | 15 | 16 | 17 | 18 | 31 | |

+8 +8 +8 +8 +8

23 + 8 = 31

## Function Machines

| Input (x) | Output (y) |
|---|---|
| 3 | 15 |
| 9 | 21 |
| 31 | 43 |
| 14 | 26 |

+12 +12 +12 +12

$x + 12 = y$

1)

| | | | | | | |
|---|---|---|---|---|---|---|
| A | 2 | 3 | 5 | 8 | 11 | |
| B | 6 | 9 | 15 | 24 | 33 | ? |

*3 *3 *3 *3

2.)

| Input (a) | Output (b) |
|---|---|
| 23 | 19 |
| 71 | 67 |
| 86 | 82 |
| 13 | 9 |

-4 -4 -4 -4

$a - 4 = b$

3.)

| Input (j) | Output (k) |
|---|---|
| 2 | 12 |
| 5 | 30 |
| 8 | 48 |
| 13 | 78 |

*6 *6 *6 *6

$j * 6 = k$

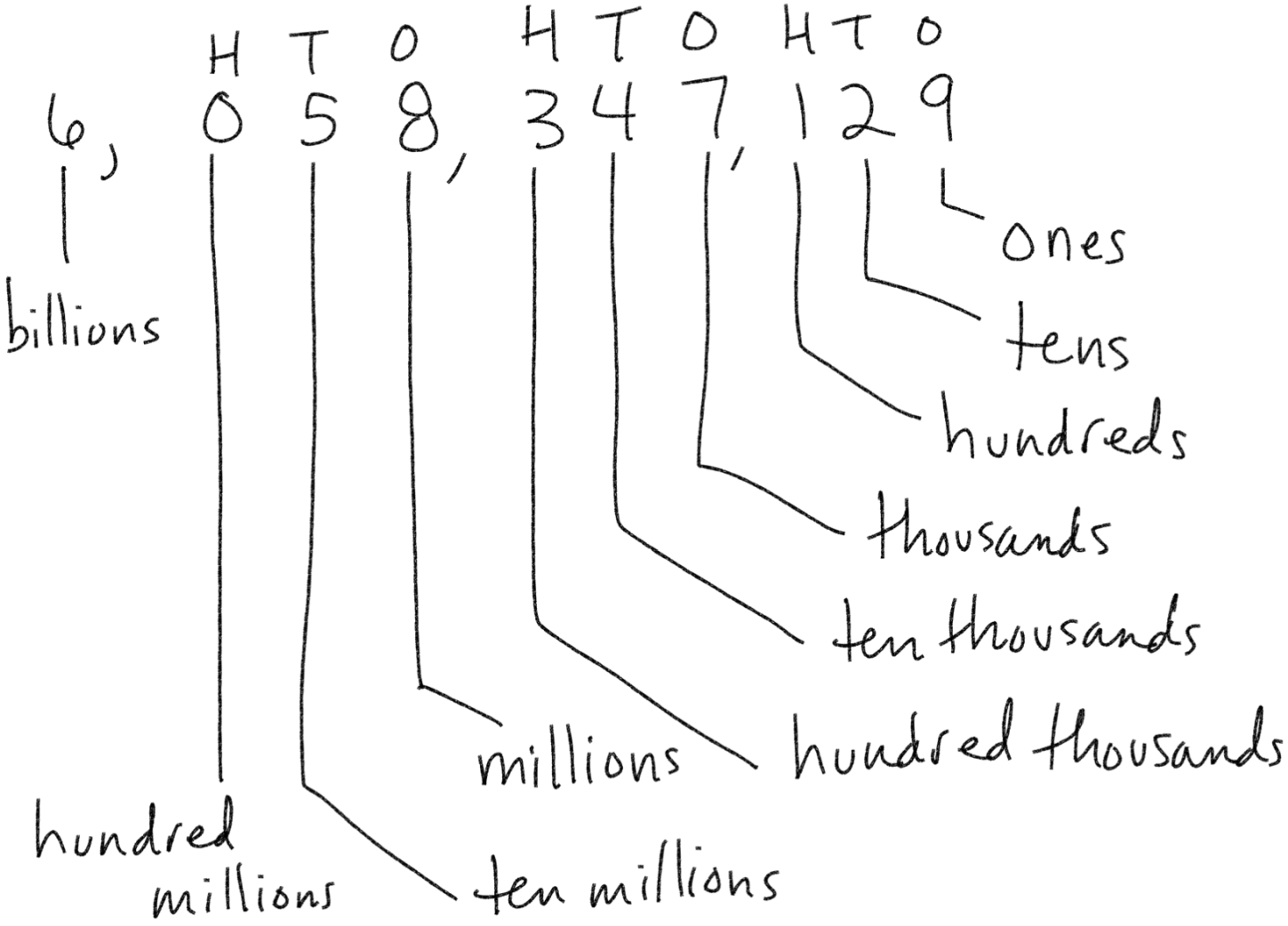
# Place Value

6,058,347,129

"billion" "million" "thousand"

765,002,000,304

765 billion 2 million 304



1.) 634,278

tens

2.) 184,735

hundred thousands

3.) 497,162

ten thousands

4.) 9,231,478

hundreds

1.) what digit is in the tens place?

35,176 (7)

2.) What digit is in the hundreds place?

9,714,852 (8)

3.) What digit is in the thousands place?

58,742 (9)

633,235

Expanded form

$5 + 3(10) + 2(100) + 3(1{,}000) + 3(10{,}000) + 6(100{,}000)$

$5 + 30 + 200 + 3{,}000 + 30{,}000 + 600{,}000$

Word form

Six hundred thirty-three thousand two hundred thirty-five

1.) 97,382

Expanded: 90,000 + 7,000 + 300 + 80 + 2

Written: Ninety seven thousand three hundred eighty-two.

2.) 332,871

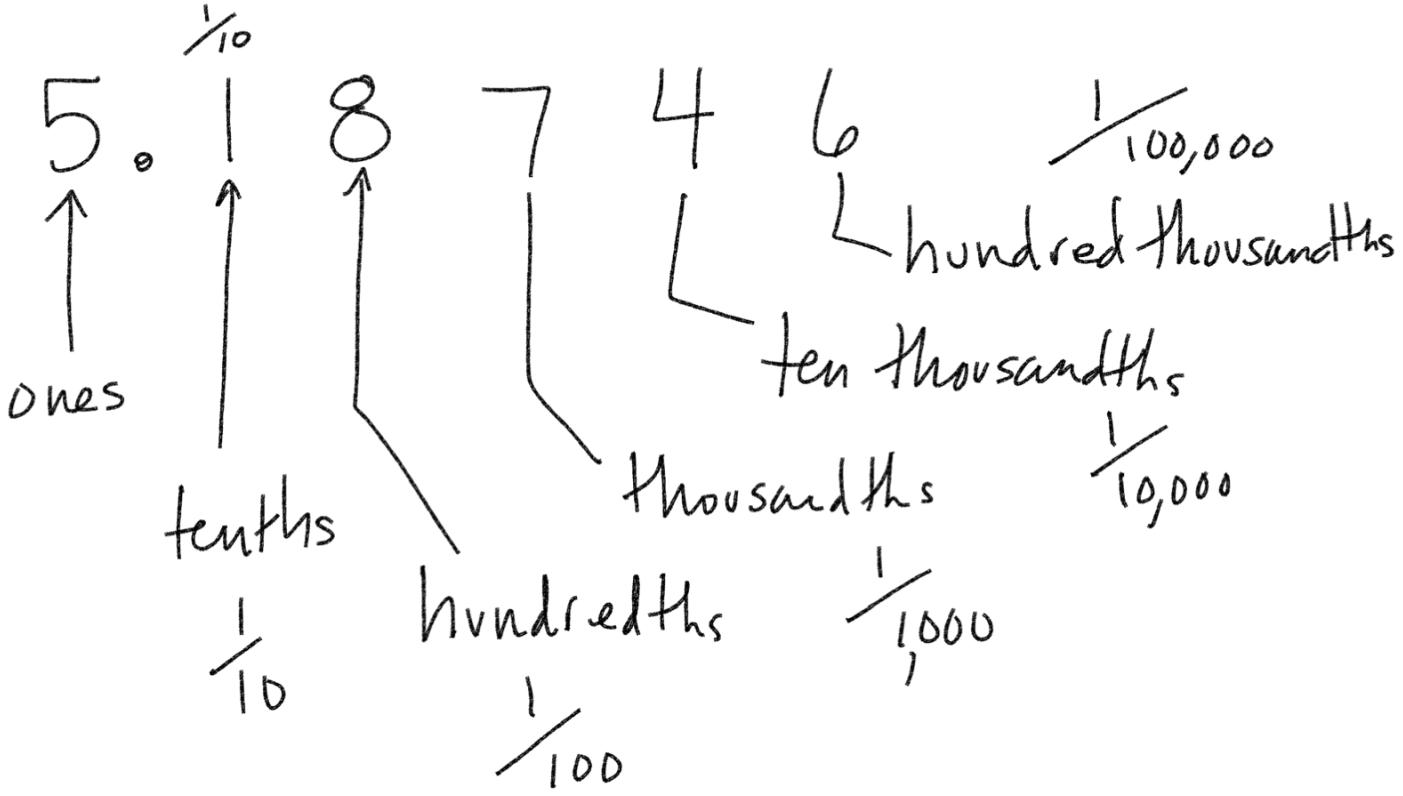
Expanded: 300,000 + 30,000 + 2,000 + 800 + 70 + 1

Written: Three hundred thirty-two thousand eight hundred seventy-one

3.) 2,307,681

Expanded: 2,000,000 + 300,000 + 7,000 + 600 + 80 + 1

Written: Two million, three hundred seven thousand six hundred eighty-one.




5.18 identify last place value

five "and" eighteen hundredths

$5\ \frac{18}{100}$

16.237 last place value

sixteen and two hundred thirty-seven thousandths

4.0023 ten thousandths

four and twenty three ten-thousandths

551.43

written

Five hundred fifty-one and forty three hundredths

Expanded:

$500 + 50 + 1 + \frac{4}{10} + \frac{3}{100}$

tenths hundredths thousandths

49.098

Expanded:

$40 + 9 + \frac{9}{100} + \frac{8}{1000}$

Nine hundred thirty nine and nine thousandths

939.009

939.$\frac{0}{\text{tenths}}\frac{0}{\text{hundredths}}\frac{9}{\text{thousandths}}$

Ninety-one and seventy-nine ten thousandths

91. 0 0 7 9

91.0079

ten thousandths