

PLACE VALUE

00000

00010

01000

00100

10000

00300

00902

03849

96058

LEAD 

PLACE VALUE

Number Families

2 6 3 4 8 8 9 0 0 2 1 8

Billions

Millions

Thousands

263,488,900,218.

2 6 8 9 2

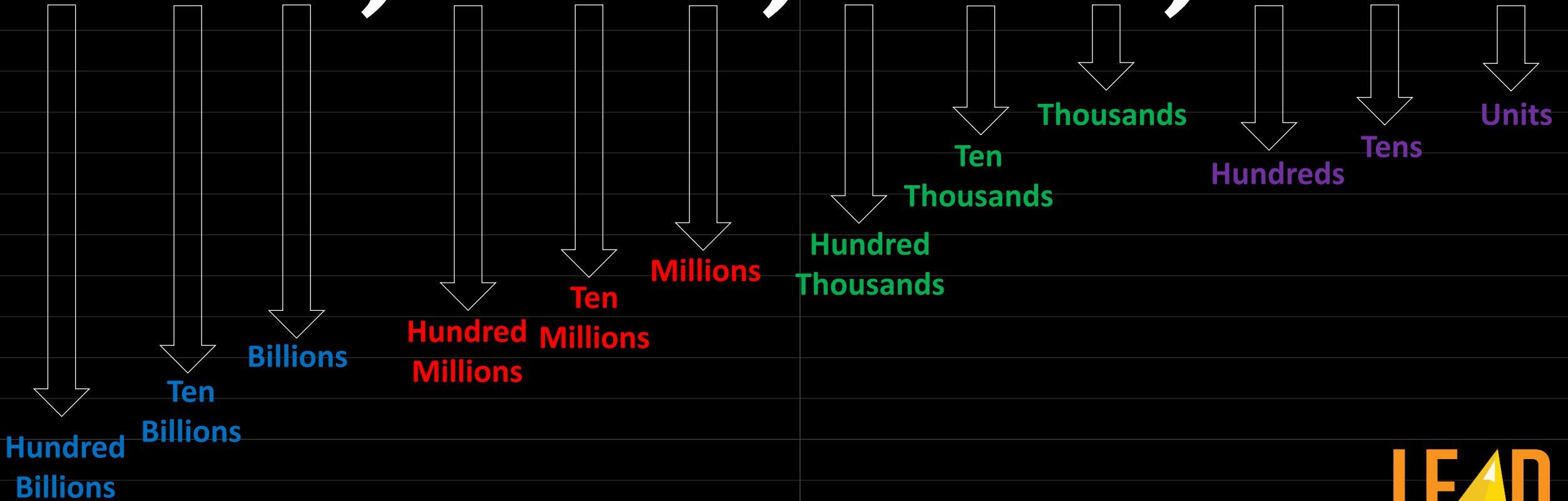
1 9 2 8 8 3 7 4

0 0 4 2 9 3 8 1 1

LEAD 

PLACE VALUE

263,488,900,218.



PLACE VALUE

263,408,950,178.

DIGIT	PLACE VALUE	VALUE
6		
4		
9		
1		
3		
7		
2		
5		
8		
0		

Complete this
table with the
appropriate values

EXPANDED FORM

24,681

2 6 8 9 2

1 0 2 8 8 3 7 4

4 2 0 0 1 1

DECIMAL PLACE VALUE

4 6 3 . 9 7 8 2 5

↓
Hundreds

↓
Tens

↓
Units

↓
tenths

↓
hundredths

↓
thousandths

↓
ten
thousandths

↓
hundred
thousandths

2 6 . 8 9 2

1 9 2 8 8 . 3 7 4

4 2 . 9 3 8 1 1

EXPANDED FORM

23.468

26.802

0.042

1900.0252

ROUNDING NUMBERS

Math Antics - Rounding Numbers

ROUNDING NUMBERS

1. Round 94.66 to the nearest tenths place
2. Round 586.9231 to the nearest thousandths
3. Round 189,462 to the nearest ten thousand
4. If 1234.5678 is rounded to the closest hundredth, what will the result be?
5. Round 963.146 to the nearest whole number
6. Round 23.253 to the ones place
7. Add 42.68 to 83.2876. Round your answer to the nearest tenth.
8. Round 634.9962 to the nearest thousandths place
9. Add 0.287603 to the square root of 324. Round your result to the nearest ten thousandth
10. Approximate 1,683,423.18803 to the nearest ten thousand.

ROUNDING TO SIGNIFICANT FIGURES

Non-zero digits
are significant

489130

368400

638227000

42089

Zeros between
Non-zero digits
are significant

21003

306080400

6020070

00402080900

ROUNDING TO SIGNIFICANT FIGURES

Leading zeros are not significant

0000013

03684

006027

000004208900

Numbers with decimal point

- Leading zeros after decimal point are significant
- Trailing zeros are significant

0.0000641

0.00300

0.02064

0.00860300

Practice significant figures



ROUNDING TO SIGNIFICANT FIGURES

Whole numbers:

Round 540384 to 4 significant figures
3366240

Decimal Figures:

Round 594.396 to 4 significant figures
862.289

Decimals beginning with Zeros:

Round 0.026897 to 2 significant figures
0.002583
0.00025869