

August 31, 2016

	N	W	Z	Q	Q'	R
0.16				✓		
$-\sqrt{5}$					✓	✓
$\frac{2}{7}$				✓		✓
-9			✓	✓		✓
0		✓	✓	✓		✓

Aug 31-9:54 AM

$192 = 2 \cdot 2 \cdot 2 \cdot 2 \cdot 2 \cdot 2 \cdot 2 \cdot 2 \cdot 3$

$2^6 \cdot 3$

② · 96  
 ② · 48  
 ② · 24  
 ② · 12  
 ② · 6  
 ② · 3

Aug 31-10:23 AM

$0.62 = \frac{62}{100} = \frac{31}{50}$

Some whole numbers are fractions.

T or F

$W = \{0, 1, 2, 3, \dots\}$

R  
 Q  
 Z  
 W

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Exponents

$a^n = a \cdot a \cdot a \cdot \dots \cdot a$

n ← exponent  
 a ← Base

$x^{196}$

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①  $(-6)^2 = (-6) \cdot (-6) = 36$

②  $-6^2 = (-1) \cdot 6^2 = (-1) \cdot 6 \cdot 6 = -6 \cdot 6 = -36$

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①  $(-2)^3 = (-2) \cdot (-2) \cdot (-2) = 4 \cdot (-2) = -8$

②  $-2^3 = (-1) \cdot 2^3 = (-1) \cdot 2 \cdot 2 \cdot 2 = (-2) \cdot 2 \cdot 2 = (-4) \cdot 2 = -8$

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Do CORE 1.1 → "B"

Order of Operations

- Simplify inside Grouping Symbols:  $( ), [ ], \{ \}, \frac{a}{b}, |a|, \sqrt{a}$
- Evaluate Exponents:  $5^3 = 125$ ,  $-6^2 = -36$
- Multiplication or Division which ever comes first working from Left to right.
- Addition or Subtraction which ever comes first from L to R.

Aug 31-10:40 AM