August 23, 2017

Math Jam Fridays

12:00 – 2:00

Rm # 320

Dr. Kidong

Aug 23-8:56 AM

$86 = 2 \cdot 43$

2 · 43

Aug 23-9:12 AM

Zero → 0

$\mathbb{N} = \{1, 2, \dots\}$

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

Whole

$\mathbb{Z} = \{\dots, -2, -1, 0, 1, 2, \dots\}$

Integers

or

$\{0, \pm 1, \pm 2, \pm 3, \dots\}$

Aug 23-9:16 AM

$0 + a = a$

* Additive Identity

$5 + 0 = 5$

$a + (-a) = 0$

* Additive Inverse

· $5 + (-5) = 0$

· $(-13) + 13 = 0$

+a, −a, 0

Aug 23-9:21 AM

$5x + 5 \stackrel{?}{=} 25$

A. Id → 0; -5 (A. I.); -5

$5x + 0 = 20$

A. Id

$5x = 20$

Aug 23-9:27 AM

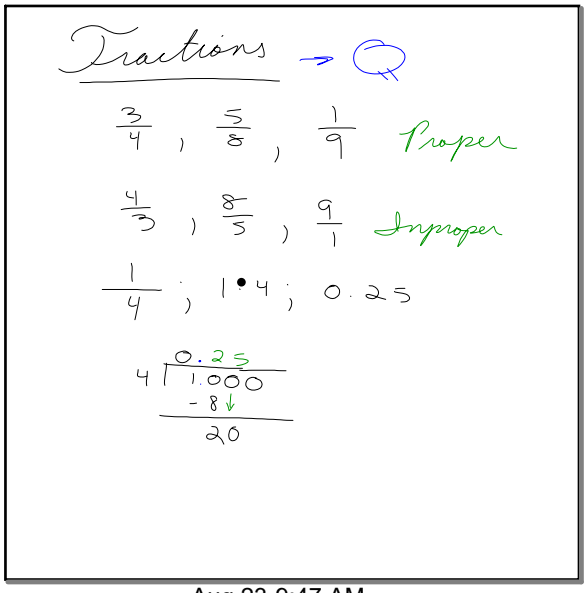
$\mathbb{Q} = \left\{ \frac{m}{n} \text{ such that } m \text{ and } n \in \mathbb{Z}, \text{ and } n \neq 0 \right\}$

Rational (Fractions)

Why n can not be zero?

$\frac{4}{0}$ = undefined

Aug 23-9:38 AM


Fractions
3/4 , 5/8 , 1/9 Proper
4/3 , 8/5 , 9/1 Improper
1/4 ; 1.4 ; 0.25
0.25
4 | 1.000
- 8
20

Aug 23-9:47 AM