

August 21, 2018

Sets: a collection of objects

Elements: members of a set

Aug 21-8:33 AM

$S = \{ \}$

- no members
- empty set
- Null set  $\emptyset$

$S_1 = \{ \{ \} \}$  • Contains one element "1"

$S_2 = \{ \{ \}, \{ \} \}$  "2"

$\mathbb{N}$  (natural numbers) =  $\{ 1, 2, 3, \dots \}$

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$I = \text{Integers} = \{ \dots, -2, -1, 0, 1, 2, \dots \}$

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

$N = \text{Natural} = \{ 1, 2, 3, \dots \}$

Aug 21-9:03 AM

#1)  $S = \{ 5, 6, 7 \}$

Aug 21-9:09 AM