

MGF /

Writing sets of numbers using descriptive and roster forms

Problem

Explanation

Show Another

Writing sets of numbers using descriptive and roster forms

QUESTION

Write each set in the indicated form.
 If you need to use "..." to indicate a pattern, make sure to list at least four elements of the set.

As you answer below, remember that the natural numbers are just the counting numbers. This means that 0 is not a natural number, and negative numbers are not natural numbers either.

(a) Descriptive form: The set of positive multiples of 5 that are greater than or equal to 10 and less than or equal to 20.

Roster form:

(b) Roster form: {1, 2, 3, 4, ...} The set of natural numbers

Descriptive form:

Another name for natural numbers is counting numbers.
 Think about where you start & how you count
 1, 2, 3, ...

Problem

Explanation

Show Another

Writing sets of numbers using set-builder and roster forms

QUESTION

Write each set in the indicated form.
 If you need to use "..." to indicate a pattern, make sure to list at least the first four elements of the set.

(a) Set-builder form: $\{x \mid x \text{ is a natural number and } x > 5\}$ start at 6 b/c it's greater than 5, but it never ends

Roster form:

(b) Roster form: {15, 16, 17}

Set-builder form:

counting from 15 to 17
 $\{y \mid y \text{ is a natural number and } 15 \leq y \leq 17\}$