Reading

could be
must be

greatest
least

integer (no decimal)
distinct / different

consecutive: $x, x+1, x+2, \ldots$
consecutive odd: $x, x+2, x+4, \ldots$
consecutive even: $x, x+2, x+4, \ldots$

$x > 0$ positive

$x < 0$ negative

$x \geq 0$ non-negative

integers ...-3, -2, -1, 0, 1, 2, 3, ...

whole #'s 0, 1, 2, 3, ...

natural #'s 1, 2, 3, ...

math traps:

a) incorrect answers that seem to be correct at a quick glance.

b) answers that arise from common student errors or misconceptions

c) answers that are very similar to the correct answer

Jul 6-11:09 AM

Use Estimation

- to eliminate answers
- to check answers
- check calculator answers

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digit vs number

0,1,2....,8,9

intersection - only elements common to both sets
union - all elements

∩ int

∪ union

direct variation

$x \sim y$

$x = ky$

$\frac{x}{y} = k$

inverse variation

$x \sim \frac{1}{y}$

$x = k\frac{1}{y}$

$xy = k$

Jul 6-11:16 AM

Domain + Range of functions

Domain: all possible x values

Range: all possible y values

(x, y) $y = f(x)$