E.B.5 Choose a solution for an equation or an inequality.
- Step one-Rewrite the equation or inequality, using ( ) instead of the variable.
- Step two-Try each one with the value for the variable, or values if working with a set of numbers.
- If working with an inequality, write the word that the inequality means.
- Select the solution that makes the equation true. With an inequality, you may have more than one answer.
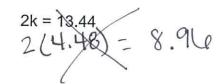
Try these!

Select the equation that has n=20.19 as a solution. Rewrite your equations using ( ).

$n + 20 = 20.2019$
$( ) + 20 = 20.2019$
are both sides equal?

$3n = 60.57$
$3(20.19) = 60.57$

$40.16 + n = 42.179$
$40.16 + (20.19) = 60.35$

$4n = 80.4$
$4(20.19) = 80.56$

Select the equation that has k = 4.48 as a solution. Rewrite your equations using ( ).

$k + 17 = 20.8$
$(4.48 + 17 = 20.8$
are both sides equal?

$6k = 25$
$6(4.48)$
26.88

$50.1 + k = 54.58$
$50.1 + (4.48) = 54.58$

$2k = 13.44$
$2(4.48) = 8.96$

Select the set of numbers that could be values for y in the inequality y < 7. Rewrite the inequality and try each number in the set. EVERY number must work for the set to work.

$-3 < 7$ ✓
$-2 < 7$ ✓
$0 < 7$ ✓
$\{-3, -2, 0\}$

$2 < 7$ ✓
$6 < 7$ ✓
$9 < 7$ ✗
$\{2, 6, 9\}$

y is ___$\{-3, -2, 0\}$___ 7

$\{7, 8, 9\}$
$7 < 7$ ✗

$\{10, 11, 12\}$
$10 < 7$

Select the set of numbers that could be values for f in the inequality f > 8.

$3 > 8$ ✗

$-6 > 8$ ✗

f is ___$\{11, 12, 13\}$___ 8

$11 > 8$ ✓
$12 > 8$ ✓
$13 > 8$ ✓

$\{3, 7, 9\}$

$\{-6, -2, 0\}$

$\{2, 4, 6\}$
$2 > 8$

$\{11, 12, 13\}$

Be sure to check all of the numbers in each set. All must work for the entire set to work.

6.EE.B.7 Find the solution to an equation.

- Always do the opposite operation in the equation.
  It's good to check your answer!
- Use the box method for story problems!