GRADE 8 · ERROR ANALYSIS

FIND THE MISTAKE!

Multi-Step Equations

8.EE.C.7

SAMPLE · LAYLA'S WORK

$8x + 10 = 2x - 2$

$10x + 10 = -2$ moved $2x$

$10x = -12$

$x = -\frac{6}{5}$

✗ Added the x-term, not subtracted

MISCONCEPTIONS IN THIS SET

- Added the x-term, not subtracted
- Sign error distributing a negative
- Distributed to only one term
- Thought x means 0x
- Lost the sign dividing by a negative
- Wrote x = 0 for 0 = 0
- Multiplied only one side by LCD
- No solution vs. infinitely many

20 WORKED PROBLEMS | 4 TASK TYPES | FULL ANSWER KEY

MATH TEACHER PRINTS

Preview - the full worksheet and its answer key are at primeworksheet.com