

PDF Course Demo: Mistake Review

This public demo is self-written course material, not scanned textbook pages.

Page 1: Negative Numbers

Common mistake: treating expense as a positive number.

Example: income +80, expense 35 should be written as -35.

Correction method: find the opposite meaning first, then choose the sign.

Mini task: write temperature drop 6 C as a signed number.

Answer: -6. The minus sign means the value moved downward.

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Page 2: Linear Equation

Common mistake: moving a term across the equal sign without changing sign.

Example: $3x - 2 = 10$, first get $3x = 12$, then $x = 4$.

Correction method: each step must keep the two sides equal.

Mini task: solve $x + 5 = 9$.

Answer: $x = 4$. Subtract 5 from both sides.