

UNIT #6 Linear Equations and Inequalities

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6.1 SOLVING EQUATION BY USING INVERSE OPERATIONS

1 step equations

Inverse operations "undo" each others results

ex addition and subtraction are inverse operations

WRITING

(a) a number plus 5 is 20

x represents the number $+5 = 20$

$$x + 5 = 20$$

$-5 \quad -5$

$$x = 15$$

- 1 DO THE OPPOSITE OPERATION
- 2 WHATEVER YOU DO TO 1 SIDE OF THE EQUAL SIGN, YOU MUST DO TO THE OTHER SIDE !!!

(b) four times a number is -32

$$4x = -32$$

$\div 4 \quad \div 4$

$$x = -8$$

