

10.3 Modelling & Solving Two-Step Equation

$$\frac{x}{a} + b = c$$

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To solve an equation, isolate the variable on one side of the equal sign

Ex #1

a) $\frac{x}{2} - 1 = 18$

$+1$

$\frac{x}{2} = 19$

$\times 2$

$x = 38$

b) $\frac{j}{2} + 41 = 173$

-41

$\frac{j}{2} = 132$

$\times 2$

$j = 264$

c) $\frac{x}{-4} + 3 = 5$

-3

$\frac{x}{-4} = 2$

$\times -4$

$x = -8$

d) $5 - 2 = \frac{n}{4}$

-2

$3 = \frac{n}{4}$

$\times 4$

$12 = n$

or

$-12 = n$

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