Solving Multi Step Equations

Solve equation. Cut out the answer and paste it in the correct multi-step equation.

$\dfrac{5(3x + 1)}{2} = \dfrac{4(2 - 7x)}{3}$	$4(-16 - 5x) = -24$	$\dfrac{5x - \dfrac{1}{2}}{4} + 1 = \dfrac{2}{3}$
$\dfrac{4}{7} + 2x + \dfrac{1}{2}x + 1 = 0$	$5x - \dfrac{5}{6} = \dfrac{7}{8} + x$	$2x + 3(1 - x) = 1 - (x - 4) - 5x$
$8 = 2 - 3(x + 1) + 2(3x - 5)$	$\dfrac{6(x + 2)}{7(x - 1) - 1} = 1$	$\dfrac{4\left(x - \dfrac{3}{4}\right)}{\left(\dfrac{8}{3}\right)} = \dfrac{9}{4}$

$x = \dfrac{41}{96}$	$x = 2\dfrac{1}{4}$	$x = -2$
$x = 20$	$x = \dfrac{1}{101}$	$x = -\dfrac{22}{35}$
$x = -\dfrac{1}{6}$	$x = \dfrac{2}{5}$	$x = 6\dfrac{1}{3}$

Solving Multi Step Equations

Name _____

Score _____

Answer key

MS:18

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$\dfrac{5(3x + 1)}{2} = \dfrac{4(2 - 7x)}{3}$	$4(-16 - 5x) = -24$	$\dfrac{5x - \dfrac{1}{2}}{4} + 1 = \dfrac{2}{3}$
$x = \dfrac{1}{101}$	$x = -2$	$x = -\dfrac{1}{6}$
$\dfrac{4}{7} + 2x + \dfrac{1}{2}x + 1 = 0$	$5x - \dfrac{5}{6} = \dfrac{7}{8} + x$	$2x + 3(1 - x) = 1 - (x - 4) - 5x$
$x = -\dfrac{22}{35}$	$x = \dfrac{41}{96}$	$x = \dfrac{2}{5}$
$8 = 2 - 3(x + 1) + 2(3x - 5)$	$\dfrac{6(x + 2)}{7(x - 1) - 1} = 1$	$\dfrac{4\left(x - \dfrac{3}{4}\right)}{\left(\dfrac{8}{3}\right)} = \dfrac{9}{4}$
$x = 6\dfrac{1}{3}$	$x = 20$	$x = 2\dfrac{1}{4}$

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