

1. Solve and verify.

Warm up

$$\frac{25}{9} + \frac{x}{9} = \frac{7x}{6} - \frac{5}{2}$$

$$18\left(\frac{25}{9}\right) + 18\left(\frac{x}{9}\right) = 18\left(\frac{7x}{6}\right) - 18\left(\frac{5}{2}\right)$$

$$50 + 2x = 21x - 45$$

$$2x - 21x = -45 - 50$$

$$\frac{-19x}{-19} = \frac{-95}{-19}$$

$$x = 5$$

2. Solve

$$(15) \frac{2}{3}(6x + 5) = \frac{4}{5}(20x - 7)$$

$$10(6x + 5) = 12(20x - 7)$$

$$5(6x + 5) = 6(20x - 7)$$

$$30x + 25 = 120x - 42$$

$$30x - 120x = -42 - 25$$

$$\frac{-90x}{-90} = \frac{-67}{-90}$$

$$x = \frac{67}{90}$$

February 9

LS	RS
$\frac{25}{9} + \frac{x}{9}$	$\frac{7x}{6} - \frac{5}{2}$
$\frac{25}{9} + \frac{5}{9}$	$\frac{7(5)}{6} - \frac{5}{2}$
$\frac{30}{9}$	$\frac{35}{6} - \frac{15}{6}$
$\frac{10}{3}$	$\frac{20}{6} - \frac{10}{6}$
LS = RS	$\frac{10}{3}$
$\therefore x = 5$	

Class / Homework

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