

P348

Nov. 1

15.

$$\frac{3x}{3} = \frac{15}{3}$$

$$x = 5$$

L.S.

$$3x$$

$$3(5)$$

$$= 15$$

R.S.

$$15$$

17.

$$\frac{-8x}{8} = \frac{16}{-8}$$

$$x = -2$$

$$-8x$$

$$-8(-2)$$

$$16$$

$$16$$

19.

$$\frac{-6t}{-6} = \frac{-24}{-6}$$

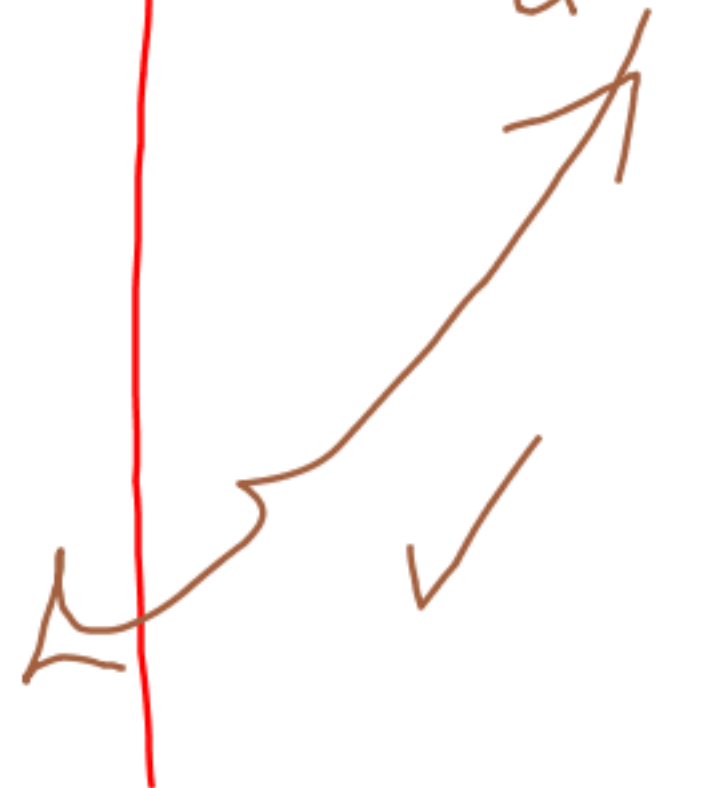
$$t = 4$$

L.S.

$$\begin{aligned} -6t \\ -6(4) \\ -24 \end{aligned}$$

R.S.

$$-24$$



21.

$$\frac{2x}{2} = \frac{24}{2}$$

$$x = 12$$

L.S.	R.S.
$2x$	24
2×12	
$= 24$	



24.

$$\frac{\frac{2}{1} \cdot \frac{2}{2}}{\frac{2}{2}} = \frac{\frac{2}{1} \cdot \frac{2}{2}}{\frac{2}{2}}$$

$$\frac{2 \cdot 2}{2} = \frac{4}{1}$$

$$x = 4$$

L.S.

$$\frac{2 \cdot 2}{2}$$

"

$$= 2$$

R.S.

$$2$$



$$27.3 \left(\frac{-4}{1} = \frac{p}{3} \right) \frac{3}{1}$$

$$\frac{-12}{1} = \frac{3p}{3}$$

$$-12 = p$$

LS	RS
-4	$\frac{p}{3}$
	$\frac{-12}{3}$
	-4

An arrow points from the -4 in the LS column to the -4 in the RS column.

$$31. \quad -2 = \frac{t}{12}$$

$$T = -2 \times 12$$

$$T = -24$$

LS	RS
-2	$\frac{t}{12}$
	-24
	$\frac{12}{12}$
	= -2



Solving Multi-step Equation

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$$4. \quad 2y - 5 = 9 + 5$$

$$2y = \frac{14}{2}$$

$$y = 7$$

6.

$$3m + 7 = 19$$

$$\frac{3m}{3} = \frac{12}{3}$$

$$m = 4$$

$$\textcircled{8} \quad 4y - 9y = 35$$

$$\begin{array}{r} -5y = 35 \\ \hline -5 \end{array} \quad \begin{array}{r} \hline -5 \end{array}$$

$$y = -7$$

$$10. \quad 6n + 3n = -18$$

$$\frac{9n}{9} = -\frac{18}{9}$$

$$n = -2$$

$$12. 3t + 7t = -30$$

$$\frac{10t}{10} = \frac{-30}{10}$$

$$t = -3$$

LS

$$3t + 7t$$

$$3(-3) + 7(-3)$$

$$= -9 + -21$$

$$= -30$$

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$$= -30$$



17.

$$\begin{aligned} 3 + m &= -7 \\ m &= -10 \end{aligned}$$

LS

RS

$3 + m$

$3 + (-10)$

$= -7$



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19. $\frac{x}{3} = 4 + 2$

$$\frac{x}{3} = \frac{6}{1}$$

$$\frac{\cancel{3}x}{\cancel{3}} = \frac{18}{1}$$

$$x = 18$$

L.S	R.S
$\frac{x}{3}$	$4+2$
$\frac{18}{3}$	6
$= 6$	

H.W. Pg. 348-349

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