

Solving Equations with Fractions + Decimals

Nov 19

Pg 361

$$1) \quad X + \cancel{0.2} = 0.8 \quad -0.2$$

$$X = 0.6$$

$$13) \quad 3x \overset{+0.4}{-0.4} = \overset{+0.4}{0.8}$$

$$\frac{3x}{3} = \frac{1.2}{3}$$

$$x = 0.4$$

LS	RS
$3x - 0.4$	0.8
$3 \times 0.4 - 0.4$	
$1.2 - 0.4$	
0.8	



Solve

$$19. \frac{4}{1} \cdot \frac{x}{4} = \frac{1}{2} \cdot \frac{4}{1}$$

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

$$\frac{x}{4} = \frac{1}{2} \times \frac{2}{2}$$

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

$$x = 2$$

22.

$$\frac{m}{6} = \frac{1 \times 2}{3 \times 2}$$

$$m = -2$$

25.

$$\frac{3y}{2 \times 3} = \frac{2y}{3 \times 2} - \frac{1 \times 6}{1 \times 6}$$

~~2x3~~

~~3x2~~

~~1x6~~

$$3y - 2y = 2y - 2y - 6$$

$$y = -6$$

L.S.

$$\frac{y}{2}$$

$$-6$$

$$-3$$

R.S.

$$\frac{y}{3} - 1$$

$$-6 - 1$$

$$-2 - 1$$

$$-3$$

✓

$$\begin{array}{r}
 5n \times 3 \quad 4n \times 2 \quad 7 \\
 \hline
 2 \times 3 \quad 3 \times 2 \quad 6 \\
 \hline
 15n \quad 8n \quad 7 \\
 \hline
 6 \quad 6 \quad 6 \\
 \hline
 15n = 8n - 7
 \end{array}$$

$$\frac{7n}{7} = - \frac{7}{7} \quad n = 1$$

LS	RS
$ \begin{array}{r} 5(-1) \\ \hline -5 \\ 2 \mid 5 \end{array} $	$ \begin{array}{r} 4n \quad 7 \\ \hline 3 \quad 6 \\ 4(-1) - 7 \\ \hline 3 \quad 6 \\ -4 \times 2 \quad 7 \\ \hline 3 \times 1 \quad 6 \\ = -8 \quad 7 \\ \hline = -8 - 7 \\ = -15 \\ 6 \quad 2 \mid 5 \end{array} $

31.

$$\frac{(3-y)}{5 \times 4} = \frac{(-2-3y)}{4 \times 5}$$

$$4(3-y) = 5(-2-3y)$$

$$12 - 4y = -10 - 15y$$

$$12 + 11y = -10 - 12$$

$$11y = -22$$

$$y = -2$$

p. 361

→ p. 361 thru 33

→ front side of hand-out
1-8