20

Aug. 20 : Bellringer

1) $-2(x-3)-4=18$

2) $-18=\frac{9-x}{2}$

(1) $-2x+6-4=18$

$-2x+2=18$

$-2 \quad -2$

$-2x=16$

$\frac{-2x}{-2}=\frac{16}{-2}$

$x=-8$

(2) $2(-18)=\frac{9-x}{2}(2)$

$-36=9-x$

$-9 \quad -9$

$\frac{-45}{-1}=\frac{-1x}{-1}$

$45=x$

Learning target:
You can solve multi-step equations.

Solve.

1. $2a - 6 = 4$

$+6 \quad +6$

$2a = 10$

$\frac{2a}{2} = \frac{10}{2}$

$a = 5$

2) $-2\left(\frac{x+1}{-2}\right) = 15 \cdot -2$

$x + 1 = -30$

$-1 \quad -1$

$x = -31$

page 94-95

35)

$9 + \frac{2}{3}x = 81$

$-9 \quad -9$

$$\frac{2}{3}x = 72 \cdot \frac{3}{2}$$

$$x = 108$$

37

LCD = 6

$$\frac{5}{6}k + \frac{2}{3} = \frac{4}{3}$$

$$5k + 4 = 8$$

$$-4 \quad -4$$

$$\frac{5k}{5} = \frac{4}{5}$$

$$k = \frac{4}{5}$$

39)

$$\frac{4}{28} - \frac{3}{7} = \frac{3}{4} - \frac{b}{2}$$

LCD 28

$\cdot 7$ $\cdot 14$ $\cdot 28$

$$-12 = 21 - 14b$$

$$-21 \qquad -21$$

$$-33 = -14b$$

$$-14 \qquad -14$$

$$b = \frac{33}{14}$$

47) $10 \cdot 3.6 - 2.4m \cdot 10 = 12 \cdot 10$

$$36 - 24m = 120$$

$$-36 \qquad -36$$

$$\frac{-24m}{-24} = \frac{84}{-24}$$

$$m = -\frac{7}{2}$$

49)

If $13y + 25 = 64$, what is the value of $4y - 7$?

$13y + 25 = 64$

$-25 \quad -25$

$13y = 39$

$y = 3$

$4y - 7$

$4(3) - 7$

$12 - 7$

5

Assignment

pp. 93 - 95

2-6E

12-22E

30-38E

42-50E