

□ p. 121-124 # 7-8, 14-34 even, 36-41, 47-49

Key

A #8 □ p. 125 # 7-26

□ p. 121-124 # 7-8, 14-34 even, 36-41, 47-49

$$7. \begin{array}{ccccccc} -5.2, & -\frac{3}{8}, & -6, & 0.3, & -\frac{1}{4} & 8. & 2.1, & 0, & -\frac{13}{10}, & -1.38, & \frac{3}{5} \\ & \downarrow & & & \downarrow & & & & \downarrow & & \downarrow \\ & -0.375 & & & -0.25 & & & & -1.3 & & 0.6 \end{array}$$

Least to Greatest: $\boxed{-6, -5.2, -\frac{3}{8}, -\frac{1}{4}, 0.3}$ Least to Greatest: $\boxed{-1.38, -\frac{13}{10}, 0, \frac{3}{5}, 2.1}$

$$14. -6 + (-4) \quad 16. -4.61 + (-0.79) \quad 18. -\frac{4}{5} + \frac{11}{12}$$

$\boxed{-10}$

$\boxed{-5.4}$

$$-\frac{48}{60} + \frac{55}{60}$$

$\boxed{\frac{7}{60}}$

$$20. -8 - 3 \quad 22. 7.7 - 16.3 \quad 24. \frac{7}{3} - \frac{11}{3}$$

$$-8 + (-3)$$

$$7.7 + (-16.3)$$

$$\frac{7}{3} + (-\frac{11}{3})$$

$\boxed{-11}$

$\boxed{-8.6}$

$\boxed{-\frac{4}{3}}$

For #26 + 28, $x=2$ and $y=-3$.

$$26. (x-7) + y \quad 28. y - (2.4 - x) \quad 30. -7.5(-8)$$

$$(2-7) + (-3)$$

$$-3 - (2.4 - 2)$$

$\boxed{60}$

$$(2+(-7)) + (-3)$$

$$-3 - (.4)$$

$$-5 + (-3)$$

$$-3 + (-0.4)$$

$\boxed{-8}$

$\boxed{-3.4}$

$$32. \frac{-4(-y)(-7)}{4y(-7)} \quad 34. \frac{2.5(-4z)(-2)}{-10z(-2)}$$

$$4y(-7)$$

$$-10z(-2)$$

$\boxed{-28y}$

$\boxed{20z}$

$$36. 8(5-x) \quad 37. -3(y+9) \quad 38. (z-4)(-z)$$

$$8(5+(-x))$$

$$-3y + (-27)$$

$$(z+(-4))(-z)$$

$$40 + (-8x)$$

$$-z^2 + 4z$$

$\boxed{-8x + 40}$

Key

39. $3(x-2)+14$ 40. $9 \cdot 1 - 4(m+3 \cdot 2)$ 41. $5n + \frac{1}{2}(8n-7)$
 $3(x+(-2))+14$ $9 \cdot 1 + (-4)(m+3 \cdot 2)$ $5n + \frac{1}{2}(8n+(-7))$
 $\underline{3x+(-6)+14}$ $\underline{9 \cdot 1 + (-4m) + (-12 \cdot 8)}$ $5n + 4n + (-\frac{7}{2})$
 $\boxed{3x+8}$ $\boxed{-4m+(-3 \cdot 7)}$ $\boxed{9n+(-\frac{7}{2})}$

47. $\frac{24x-40}{8}$ 48. $\frac{-36m+18}{6}$ 49. $\frac{-18n-9}{-9}$
 $\frac{24x+(-40)}{8}$ $\frac{-36m}{6} + \frac{18}{6}$ $\frac{-18n+(-9)}{-9}$
 $\frac{24x}{8} + \frac{(-40)}{8}$ $\boxed{-6m+3}$ $\frac{-18n}{-9} + \frac{(-9)}{-9}$
 $\boxed{3x+(-5)}$ $\boxed{2n+1}$

2 p. 125 # 7-26

7. $-5+2$ 8. $1 \cdot 3 + (-10 \cdot 4)$ 9. $-\frac{1}{3} + \frac{1}{6}$ 10. $-\frac{2}{7} - \frac{5}{14}$
 $\boxed{-3}$ $\boxed{-9 \cdot 1}$ $-\frac{2}{6} + \frac{1}{6}$ $-\frac{4}{14} + (-\frac{5}{14})$
 $\boxed{-\frac{1}{6}}$ $\boxed{-\frac{9}{14}}$

11. $-41-32$ 12. $7 \cdot 2 - (-11 \cdot 6)$ 13. $-11(-7)$ 14. $-4 \cdot 5(20)(2)$
 $-41+(-32)$ $7 \cdot 2 + 11 \cdot 6$ $\boxed{77}$ $-90(2)$
 $\boxed{-73}$ $\boxed{18 \cdot 8}$ $\boxed{-180}$

15. $-\frac{1}{5}(-20)(-5)$ 16. $-36 \div (-6)$ 17. $-\frac{3}{5} \div 12$ 18. $5 \div (-\frac{10}{11})$
 $4(-5)$ $\boxed{6}$ $-\frac{3}{5}(\frac{1}{12})$ $\frac{5}{1}(-\frac{11}{10})$
 $\boxed{-20}$ $\boxed{-\frac{1}{20}}$ $\boxed{-\frac{11}{2}}$

For #19-22, $x = -6$, $y = -10$.

19. $-x$ 20. $|y|$ 21. $8-(x-y)$ 22. $-4x+y$
 $-(-6)$ $|-10|$ $8-(-6-(-10))$ $-4(-6)+(-10)$
 $\boxed{6}$ $\boxed{10}$ $8-(-6+10)$ $24+(-10)$
 $8-4$ $\boxed{4}$ $\boxed{14}$

Key

$$\begin{aligned} 23. & -9(y-7) \\ & -9(y+(-7)) \\ & \boxed{-9y+63} \end{aligned}$$

$$\begin{aligned} 24. & 8(x-4) - 10x \\ & 8(x+(-4)) + (-10x) \\ & \underline{8x} + \underline{(-32)} + \underline{(-10x)} \\ & \boxed{-2x + (-32)} \end{aligned}$$

$$\begin{aligned} 25. & \frac{-7w-21}{7} \\ & \frac{-7w+(-21)}{7} \\ & \frac{-7w}{7} + \frac{(-21)}{7} \\ & \boxed{-w+(-3)} \end{aligned}$$

$$\begin{aligned} 26. & \frac{-16v+8}{-4} \\ & \frac{-16v}{-4} + \frac{8}{-4} \\ & \boxed{4v+(-2)} \end{aligned}$$