

□ 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

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

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

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

-10

-5.4

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

$\frac{7}{60}$

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

$$-8 + (-3)$$

$$7.7 + (-16.3)$$

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

-11

-8.6

$-\frac{4}{3}$

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

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

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

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

60

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

$$-3 - (.4)$$

$$-5 + (-3)$$

$$-3 + (-0.4)$$

-8

-3.4

$$32. -4(-y)(-7) \quad 34. 2.5(-4z)(-2)$$

$$4y(-7)$$

$$-10z(-2)$$

$-28y$

$20z$

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

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

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

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

$$40 + (-8x)$$

$$-z^2 + 4z$$

$-8x + 40$

Key

39. $3(x-2)+14$

$3(x+(-2))+14$

$3x+(-6)+14$

$3x+8$

40. $9 \cdot 1 - 4(m+3 \cdot 2)$

$9 \cdot 1 + (-4)(m+3 \cdot 2)$

$9 \cdot 1 + (-4m) + (-12 \cdot 8)$

$-4m + (-3 \cdot 7)$

41. $5n + \frac{1}{2}(8n-7)$

$5n + \frac{1}{2}(8n+(-7))$

$5n + 4n + (-\frac{7}{2})$

$9n + (-\frac{7}{2})$

47. $\frac{24n-40}{8}$

$\frac{24n+(-40)}{8}$

$\frac{24n}{8} + \frac{(-40)}{8}$

$3n + (-5)$

48. $\frac{-36m+18}{6}$

$\frac{-36m}{6} + \frac{18}{6}$

$-6m + 3$

49. $\frac{-18n-9}{-9}$

$\frac{-18n+(-9)}{-9}$

$\frac{-18n}{-9} + \frac{(-9)}{-9}$

$2n + 1$

2 p. 125 # 7-26

7. $-5+2$

-3

8. $1 \cdot 3 + (-10 \cdot 4)$

$-9 \cdot 1$

9. $-\frac{1}{3} + \frac{1}{6}$

$-\frac{2}{6} + \frac{1}{6}$

$-\frac{1}{6}$

10. $-\frac{2}{7} - \frac{5}{14}$

$-\frac{4}{14} + (-\frac{5}{14})$

$-\frac{9}{14}$

11. $-41-32$

$-41+(-32)$

-73

12. $7 \cdot 2 - (-11 \cdot 6)$

$7 \cdot 2 + 11 \cdot 6$

$18 \cdot 8$

13. $-11(-7)$

77

14. $-4 \cdot 5(20)(2)$

$-90(2)$

-180

15. $-\frac{1}{5}(-20)(-5)$

$4(-5)$

-20

16. $-36 \div (-6)$

6

17. $-\frac{3}{5} \div 12$

$-\frac{3}{5}(\frac{1}{12})$

$-\frac{1}{20}$

18. $5 \div (-\frac{10}{11})$

$\frac{5}{1}(-\frac{11}{10})$

$-\frac{11}{2}$

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

19. $-x$

$-(-6)$

6

20. $|y|$

$|-10|$

10

21. $8-(x-y)$

$8-(-6-(-10))$

$8-(-6+10)$

$8-4$

4

22. $-4x+y$

$-4(-6)+(-10)$

$24+(-10)$

14

Key

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

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

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

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