

1. Because $|-8.46| > |5.31|$, subtract $|5.31|$ from $|-8.46|$ and the sign is negative.

2. *Sample answer:* $-\frac{1}{4} + \left(-\frac{1}{4}\right)$

3. What is the distance between -4.5 and 3.5 ?
8; -1

4. $\frac{1}{3}$

5. $-1\frac{4}{5}$

6. -0.9

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

8. $2\frac{1}{3}$

9. $-\frac{7}{12}$

10. -3.45

11. 1.844

12. 4.539

13. The decimals are not lined up correctly; Line up the decimals; -3.95

14. The sum of the numerators is incorrect.

$$-\frac{5}{8} + \frac{1}{8} = \frac{-5 + 1}{8} = \frac{-4}{8} = -\frac{1}{2}$$

15. $-1\frac{5}{12}$

16. $-\frac{3}{4}$

17. $1\frac{5}{12}$

18. $-\$5.35$

19. $\frac{1}{2}$

20. $-\frac{7}{8}$

21. $-9\frac{3}{4}$

22. -2.6

23. The sum is an integer when the sum of the fractional parts of the numbers adds up to an integer.

24. See Additional Answers.

25. less than; The water level for the three-month period compared to the normal level is $-1\frac{7}{16}$.

26. $\$450$

27. no; This is only true when a and b have the same sign.