

HW 1.2 Lesson

Name: _____

- Regular: p. 12-13 #2-7, 21-25, 27, 34, 36, 40
- Modified: p. 12-13 #3, 4, 21, 22, 27, 34, 40
- Advanced: p. 12-13 #2-7, 21-25, 27, 34, 36, 40, 49

No Calculators

2. **NUMBER SENSE** Is $3 + (-4)$ the same as $-4 + 3$? Explain.

Tell whether the sum is *positive*, *negative*, or *zero* without adding. Explain your reasoning.

3. $-8 + 20$

4. $30 + (-30)$

5. $-10 + (-18)$

3. _____

4. _____

5. _____

Tell whether the statement is *true* or *false*. Explain your reasoning.

6. The sum of two negative integers is always negative.

7. An integer and its absolute value are always opposites.


Add.

21. $-13 + 9$

22. $18 + (-18)$

23. $-25 + (-9)$

ERROR ANALYSIS Describe and correct the error in finding the sum.

24.  $9 + (-6) = -3$

25.  $-10 + (-10) = 0$

Show work!

27. **BANKING** Your bank account has a balance of $-\$12$. You deposit $\$60$. What is your new balance?

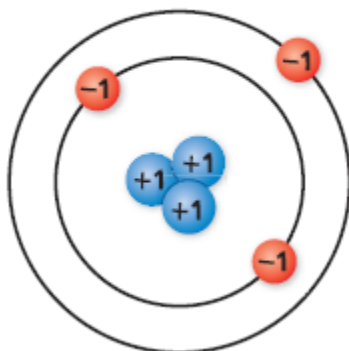
Add.

34. $13 + (-21) + 16$

36. $-13 + 27 + (-18)$

40. **SCIENCE** A lithium atom has positively charged protons and negatively charged electrons. The sum of the charges represents the charge of the lithium atom. Find the charge of the atom.

Lithium Atom



Advanced:

49. **Puzzle** According to a legend, the Chinese Emperor Yu-Huang saw a magic square on the back of a turtle. In a *magic square*, the numbers in each row and in each column have the same sum. This sum is called the *magic sum*.

Copy and complete the magic square so that each row and each column has a magic sum of 0. Use each integer from -4 to 4 exactly once.

