

Worksheet 1-6a**Evaluate each expression.**

1. $13 + 23 + 12 + 7$

3. $7.6 + 3.2 + 9.4 + 1.3$

5. $7\frac{1}{9} + 2 + 1\frac{2}{9}$

Reorder or regroup to make the work easier.

2. $6 \cdot 5 \cdot 10 \cdot 3$

4. $3.6 \cdot 0.7 \cdot 5$

6. $3\frac{3}{4} \cdot 3\frac{1}{3} \cdot 16$

Simplify each expression.*Combine all "like" terms, use the DP to get unlike terms out of "parentheses jail".*

7. $9s^2 + 3t + s^2 + t$

8. $(p + 2n) + 7p$

9. $6y + 2(4y + 6)$

10. $2(3x + y) + 5(x + 2y)$

11. $3(2c + d) + 4(c + 4d)$

12. $6s + 2(t + 3s) + 5(s + 4t)$

13. $5(0.6b + 0.4c) + b$

14. $\frac{1}{2}q + 2\left(\frac{1}{4}q + \frac{1}{2}r\right)$

Hand-drawn diagram showing two lightbulbs. The first lightbulb contains the equation $2 \cdot \frac{1}{4} = \frac{2}{4}$. The second lightbulb contains the equation $2 \cdot \frac{1}{2} = 1$.

15. Write an algebraic expression for *four times the sum of $2a$ and b increased by twice the sum of $6a$ and $2b$* . Then simplify, indicating the properties used.

All work on looseleaf!