Solve each equation.

1. $12 = 1.5 \times p$

   $p =$ _____

2. $150 = 18 + y$

   $y =$ _____

3. $81 \div d = 3$

   $d =$ _____

4. $76 - k = 29$

   $k =$ _____

5. $\frac{3}{4} + a = 2\frac{1}{2}$

   $a =$ _____

6. $16n = 224$

   $n =$ _____

Use two steps to solve each equation.

7. $14 = 2w + 6$

   $w =$ _____

8. $35 \div (c + 2) = 7$

   $c =$ _____

9. $7h + 3 = 45$

   $h =$ _____

10. $(r \div 4) - 3 = 7$

    $r =$ _____

11. $7 = 22 - 3m$

    $m =$ _____

12. $3 \cdot (t + 36) = 150$

    $t =$ _____

Write situation and solution equations to solve each problem.

13. Diana wants to play the tuba in a marching band. Her goal is to practice 5 hours each week. It is Thursday and she has practiced for $3\frac{1}{2}$ hours. How much longer must she practice to meet her weekly goal?

    Situation Equation: _____

    Solution Equation: _____

14. Doug orders a $20 video game and 8 game cases from an online game store. If the total is $32, how much does each game case cost?

    Situation Equation: _____

    Solution Steps: _____

    _____