Balanced Equations
Find n. Show the balanced equation you use to find n.

$n + 2 = 7$

$8 + n = 18$

$n - 12 = 10$

$n - 28 = 10 + 5$

$n - 9 = 10 - 8$

$4 + n = 7 + 3 + 2$

$n - 12 = 3 + 5$

$5 + n = 2 \times 4$

$4 + n = 9 \times 5$

$6 + 12 + n = 30 - 10$

$n - 100 = 8 \times 5$

$5 + n = 9 \times 6$

Real Life Problems:

1. At the end of the 3rd quarter, the Broncos and Steelers are tied at 24 points each. However, you missed the 3rd quarter.

   A. You know the Broncos scored 7 points in the 1st quarter and 0 in the 2nd quarter. How many points did the Broncos score in the 3rd quarter? Write the balanced equation.

   B. The Steelers scored 10 points in the 1st quarter, 7 in the 2nd quarter. How many points did the Steelers score in the 3rd quarter? Write the equation.

2. Your school has a reading program to compete for prizes. A group of 4 students wants to win the gold medal. They need to reach 100 points to win. Matthew has earned 28 points, Kelsey earned 24 points, Bryn earned 26 points. How many points does Grace need to earn in order for the group to win the gold medal? Write the balanced equation.