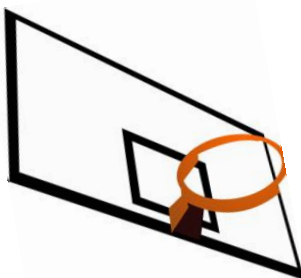# Problem of the Week
Problem B
More Practice

When Nick shoots a basketball, he either sinks the shot or misses. For each shot Nick sinks, he is given 5 points by his father. For each missed shot, Nick's Dad takes 2 points away.

Nick attempts a total of 28 shots and ends up with zero points (i.e., he breaks even). How many shots did Nick sink?

Shots Sunk	Points Gained	Shots Missed	Points Lost	Points Gained − Points Lost
20	100	8	16	$100 - 16 = 84$

The above table may be useful. A sample trial of shots made and lost is shown.

Strand Number Sense and Numeration