



First Ball: It's Friday night and you and your friends are going to a local bowling alley. To figure the cost, you need to include the cost for the shoes and the cost for each game.

Stonehedge charges \$2.75 and Bill White's Akron Lanes is \$2.00 for shoes. Game 1 is filled in for you. Use it to figure out the cost per game and see if you can fill in the rest.

Cost of 1 game is \$3. ($\$5 - \2)

	1 game	2 games	3 games	Cost of shoes
Bill White's Akron Lanes	\$5.00	\$8.00	\$11.00	\$2.00
Stonehedge	\$6.25	\$9.75	\$13.25	\$2.75
Call the alley closest to you.				

The 7 – 10 Split: Now for the hardest pickup in bowling. Write a general equation for finding the total cost to bowl and unknown number of games at Stonehedge or the bowling alley you go to. Not sure how to do this? Check out the Bill White example below to see how it's done.

Bill White example

Game Cost

Number of games

$$\text{total \$} = \$3n + \$2 \quad \leftarrow \text{Shoe rental}$$

Now, it's your turn. Write a general statement like the one above to show the cost of bowling at Stonehedge or your closest bowling alley. **If you used Stonehedge, it would look like this...**

Cost per game

Number of games

$$\text{total \$} = \$3.50n + \$2.75 \quad \leftarrow \text{Shoe rental}$$

Extension: What would it cost your parents to take the family bowling? Use the formula you wrote and plug the number of games you would bowl for 'n'.