

Easy Peasy All-in-One Homeschool -- Answer Key – Step 2 – Day 105

1. One possible explanation: The cost of the skating party increases when the number of players increases.

2.

Number of Players	Skate Rental	Snack Fee	Rink Rental	Total Cost
1	\$1.50	\$4.50	\$250	\$256
2	\$3	\$9	\$250	\$262
3	\$4.50	\$13.50	\$250	\$268
4	\$6	\$18	\$250	\$274
5	\$7.50	\$22.50	\$250	\$280
6	\$9	\$27	\$250	\$286
7	\$10.50	\$31.50	\$250	\$292
8	\$12	\$36	\$250	\$298
9	\$13.50	\$40.50	\$250	\$304
10	\$15	\$45	\$250	\$310

3. Skate Rental increases with the number of players, while Rink Rental does not.

11. \$394 is beyond the chart and table. Using the expression:

$$394 = 6n + 250$$

$$144 = 6n$$

$$n = \mathbf{24}$$

12. If 30 players attend, the Cost is $6 \times 30 + 250 = 430$

The booster club pays \$394, the difference is $\$430 - \$394 = \$36$

Each of the three coaches should pay $36 / 3 = \mathbf{\$12}$.