



Oregon

Instant Scratch-Off “Best Games to Play” Report Sorted By Rank Valid 01/17/19 to 01/24/19*

Smart Factor	Overall Ranking	Game Name	Game Number	Game Price	EST % SOLD
4.232	1	Lucky Diamond Crossword	1227	\$10.00 Games	92.0%
3.884	2	10X	1218	\$2.00 Games	74.1%
3.695	3	High Roller	1253	\$10.00 Games	86.2%
3.408	4	Poker Night	1242	\$5.00 Games	85.1%
3.390	5	250 Grand	1258	\$20.00 Games	70.0%
3.021	6	The 4s	1241	\$5.00 Games	92.8%
2.683	7	Triple 777	1279	\$10.00 Games	61.9%
2.665	8	Winter Cash	1267	\$20.00 Games	80.8%
2.390	9	I Heart Cash	1224	\$2.00 Games	67.8%
2.175	10	Bulldog Bingo	1215	\$2.00 Games	84.2%
2.164	11	Rainy Day Riches Crossword	1163	\$2.00 Games	91.6%
2.120	12	Kings Treasure	1195	\$5.00 Games	67.6%
2.065	13	7	1231	\$5.00 Games	75.1%
2.000	14	Legendary Gold	1212	\$5.00 Games	82.8%
1.988	15	Limited Edition	1239	\$5.00 Games	74.1%
1.664	16	Pirates Gold	1226	\$3.00 Games	79.2%
1.542	17	Phoenix Rising	1246	\$5.00 Games	55.0%
1.530	18	Crabby Cash	1229	\$1.00 Games	69.8%
1.518	19	Clockwork Crossword	1216	\$2.00 Games	86.3%
1.465	20	Black Ice	1265	\$10.00 Games	64.4%
1.429	21	Platinum Payout	1214	\$20.00 Games	63.5%
1.377	22	High Voltage Crossword	1257	\$10.00 Games	49.4%
1.367	23	Fish-n-Chips	1269	\$5.00 Games	23.5%
1.364	24	Oregon Riches	1249	\$2.00 Games	23.3%
1.338	25	Roller Derby	1277	\$5.00 Games	21.7%
1.278	26	Game of Riches	1255	\$3.00 Games	17.9%
1.266	27	Pot of Gold	1268	\$5.00 Games	17.1%
1.260	28	100K Jackpot	1282	\$10.00 Games	16.6%
1.254	29	1000 Frenzy	1237	\$10.00 Games	69.3%
1.234	30	Moonlight Money	1270	\$2.00 Games	14.8%
1.225	31	Red Line Doubler	1251	\$3.00 Games	71.4%
1.200	32	The Big Cheese	1280	\$1.00 Games	12.3%
1.188	33	Cash Attack	1276	\$10.00 Games	11.4%
1.153	34	Money Mania	1275	\$5.00 Games	8.5%
1.148	35	Extreme 8s	1228	\$2.00 Games	38.7%
1.140	36	Cash Grab	1274	\$2.00 Games	7.4%
1.070	37	Chili Pepper Crossword	1223	\$2.00 Games	1.0%
1.060	38	Cash Spectacular	1266	\$20.00 Games	0.0%
1.053	39	Tic-Tac-Toad	1247	\$1.00 Games	55.3%
1.037	40	100 Frenzy	1235	\$2.00 Games	45.3%
1.020	41	Oregon Lottery Promotional Game	9974	\$1.00 Games	9.5%

1.007	42	Big Bass Bingo	1232	\$2.00 Games	29.6%
0.999	43	500 Frenzy	1236	\$5.00 Games	65.2%
0.984	44	Jack Cash	1263	\$1.00 Games	18.8%
0.968	45	50 Frenzy	1234	\$1.00 Games	51.4%
0.915	46	Road Trip	1230	\$2.00 Games	61.0%
0.892	47	Black Pearls	1221	\$2.00 Games	59.9%
0.876	48	Old Time Bingo	1252	\$3.00 Games	38.7%
0.872	49	Snow Globe Cash	1260	\$2.00 Games	59.0%
0.857	50	Cabana Crossword	1245	\$2.00 Games	74.9%
0.855	51	Money Multiplier	1222	\$2.00 Games	58.1%
0.749	52	Emerald Heist	1238	\$5.00 Games	27.4%
0.671	53	Stocking Stuffer	1259	\$1.00 Games	63.6%
0.610	54	Casino Cash	1187	\$10.00 Games	62.9%
0.591	55	Money Tree	1273	\$1.00 Games	5.8%
0.060	56	Sky High Crossword	1225	\$3.00 Games	93.2%
0.060	57	8 Ball Bingo	1213	\$3.00 Games	87.3%
0.054	58	Lucky Numbers	1240	\$10.00 Games	66.9%
0.048	59	Holiday Wishes	1262	\$10.00 Games	71.1%
0.025	60	Joker's Wild Crossword	1198	\$5.00 Games	91.8%
0.023	61	Double Dollar\$ Crossword	1199	\$10.00 Games	92.6%
0.018	62	Holiday Cheer	1261	\$5.00 Games	59.0%

Green: Recommended "buy" if the retailer has it in stock.

Yellow: Only buy IF there are no GREEN tickets available.

Red: Don't buy, you'll be wasting your money!

EST % SOLD: ScratchSmarter's estimate for the percentage of tickets sold for this game. This estimate is based on the the prize totals and prizes claimed published on the lotteries website.

****:** Be careful! This game name appears more than once on the state lotteries website! Look at the game number to make sure you're buying the right game for the correct SmartFactor rating!

ScratchSmarter Ranking: This ranking is the result of a complex calculation factoring in the top prizes remaining, overall odds of the game, odds of the top prizes and additional factors.

Smart Factor: Scratch Smarter's rating of each game. It combines the overall odds, total prizes, and remaining prizes to determine a single number that represents how well a game is doing relative to all other games based on the estimated number of tickets sold.

Overall Odds: On average, the number of tickets you have to play to win a prize - It is calculated as the total number of tickets printed divided by the total number of winning tickets available. The overall odds are provided by your state lottery.

Did you get this report from a friend? Get your own subscription at [ScratchSmarter.com](https://www.scratchsmarter.com).

* Report expires on 01/24/19. Our mission is to promote and support responsible gaming. If you or someone you know is concerned about compulsive gambling, we suggest you visit www.gamblersanonymous.org or contact your states compulsive gambling hotline.

DISCLAIMER: ScratchSmarter does NOT guarantee that you will win using our analysis reports. Our algorithm compares all games for sale in Oregon and identifies which games are the best to play. Scratch off games are still a game of chance and there is no guarantee that you will win any prize. Use the Best Games to Play report, combined with our 10 free video secrets to simply ScratchSmarter.



Oregon

Instant Scratch-Off

"Best Games to Play" Report

Valid 01/17/19 to 01/24/19*

Best Overall
Oregon Game



Lucky Diamond Crossword
(\$10.00 Games. Game Number: 1227)

	Scratch Smarter Ranking	Smart Factor	Game Name	Game Number	EST % SOLD
\$1.00 Games	Best	1.530	1. Crabby Cash	1229	69.8%
		1.200	2. The Big Cheese	1280	12.3%
		1.053	3. Tic-Tac-Toad	1247	55.3%
		1.020	4. Oregon Lottery Promotional Game	9974	9.5%
	So So	0.984	5. Jack Cash	1263	18.8%
		0.968	6. 50 Frenzy	1234	51.4%
		0.671	7. Stocking Stuffer	1259	63.6%
		0.591	8. Money Tree	1273	5.8%

	Scratch Smarter Ranking	Smart Factor	Game Name	Game Number	EST % SOLD
\$2.00 Games	Best	3.884	1. 10X	1218	74.1%
		2.390	2. I Heart Cash	1224	67.8%
		2.175	3. Bulldog Bingo	1215	84.2%
		2.164	4. Rainy Day Riches Crossword	1163	91.6%
		1.518	5. Clockwork Crossword	1216	86.3%
		1.364	6. Oregon Riches	1249	23.3%
		1.234	7. Moonlight Money	1270	14.8%
		1.148	8. Extreme 8s	1228	38.7%
		1.140	9. Cash Grab	1274	7.4%
		1.070	10. Chili Pepper Crossword	1223	1.0%
	So So	1.037	11. 100 Frenzy	1235	45.3%
		1.007	12. Big Bass Bingo	1232	29.6%
		0.915	13. Road Trip	1230	61.0%
		0.892	14. Black Pearls	1221	59.9%
		0.872	15. Snow Globe Cash	1260	59.0%
		0.857	16. Cabana Crossword	1245	74.9%
		0.855	17. Money Multiplier	1222	58.1%

	Scratch Smarter Ranking	Smart Factor	Game Name	Game Number	EST % SOLD
\$3.00 Games	Best	1.664	1. Pirates Gold	1226	79.2%
		1.278	2. Game of Riches	1255	17.9%
		1.225	3. Red Line Doubler	1251	71.4%
	So So	0.876	4. Old Time Bingo	1252	38.7%
	Worst	0.060	5. Sky High Crossword	1225	93.2%

		0.060	6. 8 Ball Bingo	1213	87.3%
--	--	-------	-----------------	------	-------

	Scratch Smarter Ranking	Smart Factor	Game Name	Game Number	EST % SOLD
\$5.00 Games	Best	3.408	1. Poker Night	1242	85.1%
		3.021	2. The 4s	1241	92.8%
		2.120	3. Kings Treasure	1195	67.6%
		2.065	4. 7	1231	75.1%
		2.000	5. Legendary Gold	1212	82.8%
		1.988	6. Limited Edition	1239	74.1%
		1.542	7. Phoenix Rising	1246	55.0%
		1.367	8. Fish-n-Chips	1269	23.5%
		1.338	9. Roller Derby	1277	21.7%
		1.266	10. Pot of Gold	1268	17.1%
		1.153	11. Money Mania	1275	8.5%
	So So	0.999	12. 500 Frenzy	1236	65.2%
		0.749	13. Emerald Heist	1238	27.4%
	Worst	0.025	14. Joker's Wild Crossword	1198	91.8%
		0.018	15. Holiday Cheer	1261	59.0%

	Scratch Smarter Ranking	Smart Factor	Game Name	Game Number	EST % SOLD
\$10.00 Games	Best	4.232	1. Lucky Diamond Crossword	1227	92.0%
		3.695	2. High Roller	1253	86.2%
		2.683	3. Triple 777	1279	61.9%
		1.465	4. Black Ice	1265	64.4%
		1.377	5. High Voltage Crossword	1257	49.4%
		1.260	6. 100K Jackpot	1282	16.6%
		1.254	7. 1000 Frenzy	1237	69.3%
		1.188	8. Cash Attack	1276	11.4%
	So So	0.610	9. Casino Cash	1187	62.9%
		0.054	10. Lucky Numbers	1240	66.9%
	Worst	0.048	11. Holiday Wishes	1262	71.1%
		0.023	12. Double Dollar\$ Crossword	1199	92.6%

	Scratch Smarter Ranking	Smart Factor	Game Name	Game Number	EST % SOLD
\$20.00 Games	Best	3.390	1. 250 Grand	1258	70.0%
		2.665	2. Winter Cash	1267	80.8%
		1.429	3. Platinum Payout	1214	63.5%
		1.060	4. Cash Spectacular	1266	0.0%

<p>Green: Recommended "buy" if the retailer has it in stock.</p> <p>Yellow: Only buy IF there are no GREEN tickets available.</p> <p>Red: Don't buy, you'll be wasting your money!</p> <p>EST % SOLD: ScratchSmarter's estimate for the percentage of tickets sold for this game. This estimate is based on the the prize totals and prizes claimed published on the lotteries website.</p> <p>**: Be careful! This game name appears more than once on the state lotteries website! Look at the game number to make sure you're buying the right game for the correct SmartFactor rating!</p>	<p>ScratchSmarter Ranking: This ranking is the result of a complex calculation factoring in the top prizes remaining, overall odds of the game, odds of the top prizes and additional factors.</p> <p>Smart Factor: Scratch Smarter's rating of each game. It combines the overall odds, total prizes, and remaining prizes to determine a single number that represents how well a game is doing relative to all other games based on the estimated number of tickets sold.</p> <p>Overall Odds: On average, the number of tickets you have to play to win a prize - It is calculated as the total number of tickets printed divided by the total number of winning tickets available. The overall odds are provided by your state lottery.</p>
---	---

Did you get this report from a friend? Get your own subscription at ScratchSmarter.com.

* Report expires on 01/24/19. Our mission is to promote and support responsible gaming. If you or someone you know is concerned about compulsive gambling, we suggest you visit www.gamblersanonymous.org or contact your states compulsive gambling hotline.

DISCLAIMER: ScratchSmarter does NOT guarantee that you will win using our analysis reports. Our algorithm compares all games for sale in Oregon and identifies which games are the best to play. Scratch off games are still a game of chance and there is no guarantee that you will win any prize. Use the Best Games to Play report, combined with our 10 free video secrets to simply ScratchSmarter.



Oregon

Instant Scratch-Off “Best Games to Play” Report Sorted By Overall Odds Valid 01/17/19 to 01/24/19*

Game Name	Game Number	Overall Odds	Smart Factor	Game Price
Lucky Diamond Crossword	1227	1:0	4.232	\$10.00 Games
High Roller	1253	1:0	3.695	\$10.00 Games
Poker Night	1242	1:0	3.408	\$5.00 Games
250 Grand	1258	1:0	3.390	\$20.00 Games
The 4s	1241	1:0	3.021	\$5.00 Games
Triple 777	1279	1:0	2.683	\$10.00 Games
Winter Cash	1267	1:0	2.665	\$20.00 Games
I Heart Cash	1224	1:0	2.390	\$2.00 Games
Bulldog Bingo	1215	1:0	2.175	\$2.00 Games
Kings Treasure	1195	1:0	2.120	\$5.00 Games
7	1231	1:0	2.065	\$5.00 Games
Legendary Gold	1212	1:0	2.000	\$5.00 Games
Limited Edition	1239	1:0	1.988	\$5.00 Games
Pirates Gold	1226	1:0	1.664	\$3.00 Games
Phoenix Rising	1246	1:0	1.542	\$5.00 Games
Crabby Cash	1229	1:0	1.530	\$1.00 Games
Clockwork Crossword	1216	1:0	1.518	\$2.00 Games
Black Ice	1265	1:0	1.465	\$10.00 Games
Platinum Payout	1214	1:0	1.429	\$20.00 Games
High Voltage Crossword	1257	1:0	1.377	\$10.00 Games
Fish-n-Chips	1269	1:0	1.367	\$5.00 Games
Oregon Riches	1249	1:0	1.364	\$2.00 Games
Roller Derby	1277	1:0	1.338	\$5.00 Games
Game of Riches	1255	1:0	1.278	\$3.00 Games
Pot of Gold	1268	1:0	1.266	\$5.00 Games
100K Jackpot	1282	1:0	1.260	\$10.00 Games
1000 Frenzy	1237	1:0	1.254	\$10.00 Games
Moonlight Money	1270	1:0	1.234	\$2.00 Games
Red Line Doubler	1251	1:0	1.225	\$3.00 Games
The Big Cheese	1280	1:0	1.200	\$1.00 Games
Cash Attack	1276	1:0	1.188	\$10.00 Games
Money Mania	1275	1:0	1.153	\$5.00 Games
Extreme 8s	1228	1:0	1.148	\$2.00 Games
Cash Grab	1274	1:0	1.140	\$2.00 Games
Chili Pepper Crossword	1223	1:0	1.070	\$2.00 Games
Cash Spectacular	1266	1:0	1.060	\$20.00 Games
Tic-Tac-Toad	1247	1:0	1.053	\$1.00 Games
100 Frenzy	1235	1:0	1.037	\$2.00 Games
Oregon Lottery Promotional Game	9974	1:0	1.020	\$1.00 Games
Big Bass Bingo	1232	1:0	1.007	\$2.00 Games
500 Frenzy	1236	1:0	0.999	\$5.00 Games
Jack Cash	1263	1:0	0.984	\$1.00 Games
50 Frenzy	1234	1:0	0.968	\$1.00 Games
Road Trip	1230	1:0	0.915	\$2.00 Games

Black Pearls	1221	1:0	0.892	\$2.00 Games
Old Time Bingo	1252	1:0	0.876	\$3.00 Games
Snow Globe Cash	1260	1:0	0.872	\$2.00 Games
Cabana Crossword	1245	1:0	0.857	\$2.00 Games
Money Multiplier	1222	1:0	0.855	\$2.00 Games
Emerald Heist	1238	1:0	0.749	\$5.00 Games
Stocking Stuffer	1259	1:0	0.671	\$1.00 Games
Casino Cash	1187	1:0	0.610	\$10.00 Games
Money Tree	1273	1:0	0.591	\$1.00 Games
Sky High Crossword	1225	1:0	0.060	\$3.00 Games
8 Ball Bingo	1213	1:0	0.060	\$3.00 Games
Lucky Numbers	1240	1:0	0.054	\$10.00 Games
Holiday Wishes	1262	1:0	0.048	\$10.00 Games
Holiday Cheer	1261	1:0	0.018	\$5.00 Games
Double Dollar\$ Crossword	1199	1:3.39	0.023	\$10.00 Games
Joker's Wild Crossword	1198	1:3.54	0.025	\$5.00 Games
Rainy Day Riches Crossword	1163	1:3.65	2.164	\$2.00 Games
10X	1218	1:3.66	3.884	\$2.00 Games

<p>Green: Recommended "buy" if the retailer has it in stock.</p> <p>Yellow: Only buy IF there are no GREEN tickets available.</p> <p>Red: Don't buy, you'll be wasting your money!</p> <p>EST % SOLD: ScratchSmarter's estimate for the percentage of tickets sold for this game. This estimate is based on the the prize totals and prizes claimed published on the lotteries website.</p> <p>**: Be careful! This game name appears more than once on the state lotteries website! Look at the game number to make sure you're buying the right game for the correct SmartFactor rating!</p>	<p>ScratchSmarter Ranking: This ranking is the result of a complex calculation factoring in the top prizes remaining, overall odds of the game, odds of the top prizes and additional factors.</p> <p>Smart Factor: Scratch Smarter's rating of each game. It combines the overall odds, total prizes, and remaining prizes to determine a single number that represents how well a game is doing relative to all other games based on the estimated number of tickets sold.</p> <p>Overall Odds: On average, the number of tickets you have to play to win a prize - It is calculated as the total number of tickets printed divided by the total number of winning tickets available. The overall odds are provided by your state lottery.</p>
---	---

Did you get this report from a friend? Get your own subscription at [ScratchSmarter.com](https://www.scratchsmarter.com).

* Report expires on 01/24/19. Our mission is to promote and support responsible gaming. If you or someone you know is concerned about compulsive gambling, we suggest you visit www.gamblersanonymous.org or contact your states compulsive gambling hotline.

DISCLAIMER: ScratchSmarter does NOT guarantee that you will win using our analysis reports. Our algorithm compares all games for sale in Oregon and identifies which games are the best to play. Scratch off games are still a game of chance and there is no guarantee that you will win any prize. Use the Best Games to Play report, combined with our 10 free video secrets to simply ScratchSmarter.



Oregon

Instant Scratch-Off

"Best Games to Play" Report Sorted By Top Prizes Remaining Valid 01/17/19 to 01/24/19*

Game Name	Game Number	Top Prizes Remaining	Smart Factor	Game Price
Oregon Lottery Promotional Game	9974	1216	1.020	\$1.00 Games
50 Frenzy	1234	1214	0.968	\$1.00 Games
100 Frenzy	1235	1001	1.037	\$2.00 Games
500 Frenzy	1236	204	0.999	\$5.00 Games
1000 Frenzy	1237	110	1.254	\$10.00 Games
The Big Cheese	1280	10	1.200	\$1.00 Games
Jack Cash	1263	6	0.984	\$1.00 Games
Chili Pepper Crossword	1223	5	1.070	\$2.00 Games
Crabby Cash	1229	4	1.530	\$1.00 Games
Tic-Tac-Toad	1247	4	1.053	\$1.00 Games
I Heart Cash	1224	3	2.390	\$2.00 Games
Oregon Riches	1249	3	1.364	\$2.00 Games
Moonlight Money	1270	3	1.234	\$2.00 Games
10X	1218	2	3.884	\$2.00 Games
250 Grand	1258	2	3.390	\$20.00 Games
Triple 777	1279	2	2.683	\$10.00 Games
Kings Treasure	1195	2	2.120	\$5.00 Games
Phoenix Rising	1246	2	1.542	\$5.00 Games
High Voltage Crossword	1257	2	1.377	\$10.00 Games
Fish-n-Chips	1269	2	1.367	\$5.00 Games
Roller Derby	1277	2	1.338	\$5.00 Games
Game of Riches	1255	2	1.278	\$3.00 Games
Pot of Gold	1268	2	1.266	\$5.00 Games
100K Jackpot	1282	2	1.260	\$10.00 Games
Cash Attack	1276	2	1.188	\$10.00 Games
Money Mania	1275	2	1.153	\$5.00 Games
Extreme 8s	1228	2	1.148	\$2.00 Games
Cash Grab	1274	2	1.140	\$2.00 Games
Cash Spectacular	1266	2	1.060	\$20.00 Games
Big Bass Bingo	1232	2	1.007	\$2.00 Games
Stocking Stuffer	1259	2	0.671	\$1.00 Games
Money Tree	1273	2	0.591	\$1.00 Games
Lucky Diamond Crossword	1227	1	4.232	\$10.00 Games
High Roller	1253	1	3.695	\$10.00 Games
Poker Night	1242	1	3.408	\$5.00 Games
The 4s	1241	1	3.021	\$5.00 Games
Winter Cash	1267	1	2.665	\$20.00 Games
Bulldog Bingo	1215	1	2.175	\$2.00 Games
Rainy Day Riches Crossword	1163	1	2.164	\$2.00 Games
7	1231	1	2.065	\$5.00 Games
Legendary Gold	1212	1	2.000	\$5.00 Games
Limited Edition	1239	1	1.988	\$5.00 Games
Pirates Gold	1226	1	1.664	\$3.00 Games
Clockwork Crossword	1216	1	1.518	\$2.00 Games

Black Ice	1265	1	1.465	\$10.00 Games
Platinum Payout	1214	1	1.429	\$20.00 Games
Red Line Doubler	1251	1	1.225	\$3.00 Games
Road Trip	1230	1	0.915	\$2.00 Games
Black Pearls	1221	1	0.892	\$2.00 Games
Old Time Bingo	1252	1	0.876	\$3.00 Games
Snow Globe Cash	1260	1	0.872	\$2.00 Games
Cabana Crossword	1245	1	0.857	\$2.00 Games
Money Multiplier	1222	1	0.855	\$2.00 Games
Emerald Heist	1238	1	0.749	\$5.00 Games
Casino Cash	1187	1	0.610	\$10.00 Games
Sky High Crossword	1225	0	0.060	\$3.00 Games
8 Ball Bingo	1213	0	0.060	\$3.00 Games
Lucky Numbers	1240	0	0.054	\$10.00 Games
Holiday Wishes	1262	0	0.048	\$10.00 Games
Joker's Wild Crossword	1198	0	0.025	\$5.00 Games
Double Dollar\$ Crossword	1199	0	0.023	\$10.00 Games
Holiday Cheer	1261	0	0.018	\$5.00 Games

Green: Recommended "buy" if the retailer has it in stock.

Yellow: Only buy IF there are no GREEN tickets available.

Red: Don't buy, you'll be wasting your money!

EST % SOLD: ScratchSmarter's estimate for the percentage of tickets sold for this game. This estimate is based on the the prize totals and prizes claimed published on the lotteries website.

****:** Be careful! This game name appears more than once on the state lotteries website! Look at the game number to make sure you're buying the right game for the correct SmartFactor rating!

ScratchSmarter Ranking: This ranking is the result of a complex calculation factoring in the top prizes remaining, overall odds of the game, odds of the top prizes and additional factors.

Smart Factor: Scratch Smarter's rating of each game. It combines the overall odds, total prizes, and remaining prizes to determine a single number that represents how well a game is doing relative to all other games based on the estimated number of tickets sold.

Overall Odds: On average, the number of tickets you have to play to win a prize - It is calculated as the total number of tickets printed divided by the total number of winning tickets available. The overall odds are provided by your state lottery.

Did you get this report from a friend? Get your own subscription at [ScratchSmarter.com](https://www.scratchsmarter.com).

* Report expires on 01/24/19. Our mission is to promote and support responsible gaming. If you or someone you know is concerned about compulsive gambling, we suggest you visit www.gamblersanonymous.org or contact your states compulsive gambling hotline.

DISCLAIMER: ScratchSmarter does NOT guarantee that you will win using our analysis reports. Our algorithm compares all games for sale in Oregon and identifies which games are the best to play. Scratch off games are still a game of chance and there is no guarantee that you will win any prize. Use the Best Games to Play report, combined with our 10 free video secrets to simply ScratchSmarter.