**N177 – Math Logic**

Base Game

This is a 3 x 5, 25 line game. All line wins are paid from left to right. Line wins are multiplied by the bet multiplier. Each feature has its own reel strips.

The symbols are as follows:

1. Compass
2. Hat
3. Binoculars
4. Quetzal
5. Frog
6. Jaguar
7. Bird
8. Snake
9. Hyena
10. Wild
11. Scatter
12. COR
13. Blank

CORValues is indicated as so:

|  |  |  |  |
| --- | --- | --- | --- |
| COR VALUE | 1 | 2 | 3 |
| 0.2 | 40 | 10 | 5 |
| 0.4 | 30 | 10 | 5 |
| 0.6 | 30 | 10 | 5 |
| 0.8 | 20 | 10 | 5 |
| 1 | 20 | 25 | 50 |
| 1.4 | 20 | 25 | 50 |
| 2 | 20 | 25 | 50 |
| 3 | 10 | 15 | 20 |
| 4 | 10 | 15 | 20 |
| 5 | 10 | 15 | 20 |
| 10 | 5 | 10 | 25 |
| Mini | 2 | 10 | 5 |
| Minor | 2 | 5 | 10 |
| Major | 1 | 1 | 3 |

For each COR that lands, a pull is made from the CORSet table, which is as follows:

|  |  |
| --- | --- |
| Value | Weight |
| 1 | 50 |
| 2 | 50 |
| 3 | 20 |

Based on that pull, a selection is made from the CORValues table. These are xBet values. Thus, if the bet is 25, the COR value for 0.2 is 5.

**Ghost Reel Feature**

On a spin, a set of ghost reel spins while the normal reels spin and either land a COR or blank on each position while the BG symbols land too. After the CORs land they reveal the BG symbol underneath, and then disappear if less than 6 symbols appear. If 6 or more COR appear, the H&S feature is triggered. CORs do not block BG line pays.

**Wheel Feature**

3 or more scatter symbols on screen triggers the wheel. Depending on the amount of scatter symbols, a different wheel is triggered. For example, the 3 scatter wheel trigger is as follows:

|  |  |  |
| --- | --- | --- |
| 3 Scatter Wheel | |  |
|  | Value | Weight |
|  | 5 Free Spins | 300 |
|  | x8 chipsMultiplier | 225 |
|  | x10 chipsMultiplier | 187 |
|  | x12 chipsMultiplier | 90 |
|  | x15 chipsMultiplier | 22 |
|  | 0.0032 goldMultiplier | 75 |
|  | 0.004 goldMultiplier | 63 |
|  | 0.0048 goldMultiplier | 30 |
|  | 0.006 goldMultiplier | 8 |

For example, x8 chipsMultiplier is x8 your bet credit prize. 0.0032 goldMultiplier is (.0032\*bet) for amount of gold bars.

**Free Games**

Free Games are only triggered from the scatter wheel. Different amounts of free games can be triggered depending on which scatter wheel was triggered. Free Games have their own reel set, and no retrigger is possible. Ghost reels are also implemented in the FG, and H&S can be triggered from the FG also.

**H&S Feature**

If 6 or more COR symbols land on screen, the H&S feature is triggered. Depending upon the number of COR’s that triggered the feature, different reel sets are used. For example, if triggered with 6 COR, the “6 COR” reel set is used at the start of a spin. The reel set used for each subsequent spin then changes depending upon the number of COR symbols on screen. Player selects three positions, first for a 2x, then a 3x, and finally a 5x multiplier. A final multiplier feature is as follows: if the player fills in all three positions all values on the reels are multiplied by a randomly chosen multiplier from a pool of 2x, 3x, or 5x.

The FinalMultiplier table looks as follows:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| FinalMultiplier | | | | |
| Multiplier | | Weight | |
| 2 | | 650 | |
|  | 3 275 | |  | |
|  | 5 50 | |  | |

Player receives three spins and if another COR is landed, the spins are reset to three. The player spins until no spins are left or a blackout (all positions are filled with COR symbol) and the grand jackpot is awarded upon blackout. In the H&S feature, the COR values are the same as the values for the base game COR symbols and use the BG CORSet table as well.