**Zin Obelisk: Facilitator Handout**

Scenario: In the ancient city of Atlantis, a solid, rectangular obelisk, called a zin, was built in honor of the goddess Tina. The structure took less than two weeks to complete. On which day of the Atlantean week was the obelisk completed?

Correct Answer: Neptiminus

Rationale:

1. The dimensions of the zin indicate that it contains 50,000 cubic feet of stone blocks.

2. The blocks are 1 cubic foot each, therefore, 50,000 blocks are required.

3. Each worker works 7 schlibs in a day (2 schlibs are devoted to rest).

4. Each worker lays 150 blocks per schlib, therefore each worker lays 1050 blocks per day.

5. There are 8 workers per day, therefore 8,400 blocks are laid per working day.

6. The 50,000th block, therefore, is laid on the sixth working day.

7. Since work does not take place on Daydoldrum, the sixth working day is Neptiminus.

The following information is shared with participants in your group:

 1. The basic measurement of time in Atlantis is a day.

 2. An Atlantian day is divided into schlibs and ponks.

 3. The length of the zin is 50 feet.

 4. The height of the zin is 100 feet.

 5. The width of the zin is 10 feet

 6. The zin is built of stone blocks.

 7. Each block is 1 cubic foot.

 8. Day 1 in the Atlantian week is called Aquaday.

 9. Day 2 in the Atlantian week is called Neptiminus.

10. Day 3 in the Atlantian week is called Sharkday.

11. Day 4 in the Atlantian week is called Mermaidday.

12. Day 5 in the Atlantian week is called Daydoldrum.

13. There are five days in an Atlantian week.

14. The working day has 9 schlibs.

15. Each worker takes rest periods during the working day totaling 16 ponks.

16. There are 8 ponks in a schlib.

17. Workers each lay 150 blocks per schlib.

18. At any time when work is taking place there is a gang of 9 people on site.

19. One member of each gang has religious duties and does not lay blocks.

20. No works takes place on Daydoldrum.

21. A cubitt is a cube, all sides of which measure 1 megalithic yard.

22. There are 3 1⁄2 feet in a megalithic yard.

23. The zin is made up of green blocks.

24. Green has special religious significance on Mermaidday.

25. Work starts at daybreak on Aquaday.

26. Only one gang is working on the construction of the zin.

27. There are eight gold scales in a gold fin.