Practice with Patterns

From Mr. P’s Mathpage (www.pleacher.com)

Patterns are important in mathematics.

Here are thirty sequences of numbers or letters.

See how many you can complete!

Enter the number or letter that completes each sequence.

When you have finished, click on the Click here to submit your answers button.

Complete the following patterns:

1. 5, 8, 11, 14, \_\_\_

2. 3, 6, 9, 12, \_\_\_

3. 5, \_\_\_, 15, 20, 25, 30

4. 40, 20, 16, 8, 4, 2, \_\_\_

5. 1, 5, 20, 24, \_\_\_, 100, 400, 404, 1616

6. 6, 7, 2, 5, \_\_\_ 5, 0, 7, 2

7. 12, 14, 10, 16, \_\_\_, 18, 6, 20, 4

8. F, S, T, F, F, S, \_\_\_ E,

9. 0, 1, 10, 2, 100, 11, 1000, 3, 20, 101, 10000, 12, 100000, 1001, 110, 4,

 1000000, 21, 10000000, \_\_\_

10. (1, 2), (9, 10), (14, \_\_\_)

11. (16, 8), (32, 24), (20, \_\_\_)

12. (16, 8), (32, 16), (42, \_\_\_)

13. (4, 6, 24), (5, 7, 35), (7, 9, \_\_\_)

14. e, f, e, f, c, d, g, h, g, h, c, d, i, j, \_\_\_

15. a, b, c, x, y, z, d, e, f, x, y, z, g, h, i, \_\_\_

16. a, c, e, g, i, k, m, \_\_\_

17. a, b, b, c, c, c, d, d, d, d, e, e, e, e, \_\_\_

18. a, x, b, y, c, z, a, x, b, y, c, z, a, x, b, \_\_\_

19. g, a, f, a, e, a, d, a, c, a, \_\_\_

20. a, b, c, a, c, d, a, d, e, a, \_\_\_

21. a, b, c, d, e, a, b, c, d, a, b, c, \_\_\_

22. g, h, j, k, m, n, p, q, s, t, v, w, \_\_\_

23. a, b, c, c, b, a, d, e, f, f, e, d, g, h, i, \_\_\_

24. a, c, f, h, k, m, p, r, \_\_\_

25. a, b, a, c, d, c, e, f, e, g, h, g, i, j, \_\_\_

26. a, b, c, a, b, c, d, a, b, c, d, e, \_\_\_

27. a, a, b, a, b, c, c, d, c, d, e, e, f, \_\_\_

28. a, b, c, a, d, e, f, d, g, h, i, g, j, k, l, \_\_\_

29. O, T, T, F, F, S, S, \_\_\_

30. S, M, T, W, T, \_\_\_

31. 4, 4, 1, 2, 1, 1, 2, 2, 3, 3, 3, \_\_\_

32. 3, 3, 5, 4, 4, 3, 5, 5, 4, 3, 6, \_\_\_