Halloween Cross Number Puzzle

HALLOWEEN CROSS NUMBER PUZZLE

ACROSS

1. 9^2.
3. Number of days in this month.
4. 4 times the prime number between 13 and 19.
6. Sum of the first 4 odd numbers.
8. $100 - $5.64.
10. One gross of broomsticks.
12. MDCCCLIX
14. 50 thousand - 345.
15. $9^2 - 5^2$.
16. 22 times the number of warts on the witch's nose!
18. The fifth prime number.
20. (Product of the first 5 prime numbers) ÷ 7.
23. $\frac{16}{8}$ X 173.
25. This year - MD.
27. $229 - 17 = \square + 17 - 229$
29. $(7^2 - 7) + (7 \times \frac{1}{7})$.
31. $5^6 \div 5^4$.
33. Your age this year.
35. $22_{ten} = \underline{\hspace{1cm}}_{two}$
38. $40^2 - (10 \times 9)$.
40. (This year minus the year of your birth) X 10.
41. $(2 \cdot 10^3) + (2 \cdot 10^2) + (2 \cdot 10^0)$.
43. $(5! - 4^3) + 2^2 + 10^1$.
44. LIX.
45. A baker's dozen.
46. $(2^3) \cdot (3^2)$.

DOWN

1. $75_{twelve} = \underline{\hspace{1cm}}_{ton}$
2. 12 dozen.
3. Number of days in leap year.
5. One across.
6. Change from $20 for purchase of a $4.79 witch hat.
7. Form a two digit number by turning the first digit upside down to get the second digit which represents a larger number.
9. Number of feet in 3/4 mile.
10. Number of sides in a triangle times number of sides in a pentagon.
11. Number of holes in 9 jack-o-lanterns (5 per jack, of course!)
13. $\sqrt[4]{82^4}$
17. $169^{\frac{1}{2}}$.
19. This year.
21. Three digit π.
22. The largest 3 digit numeral in base 5.
23. $(100 \times 6^2 + 12^2$.
24. A three digit number such that the second digit is 1/3 the first; the third, 4 times the second.
26. $1^0 + 2^1 + 3^2 + 4^3 + 5^4$.
27. $(101 \times 22) - (10 \times 11)$.
28. Quarter of a century in number of years.
30. $\frac{1}{2} [(17 \cdot 18) + 19] \cdot 20$.
32. $30_{ten} = \underline{\hspace{1cm}}_{six}$.
34. Reverse the digits of 33 across.
35. Decimal.
36. $\underline{\hspace{0.7cm}}, \underline{\hspace{0.7cm}}, \underline{\hspace{0.7cm}}, 4, 5, 6, \ldots$
37. James Bond.
38. $\sqrt{400} - \sqrt[3]{27}$.
39. $3! + 3^2$.
42. 16 across.