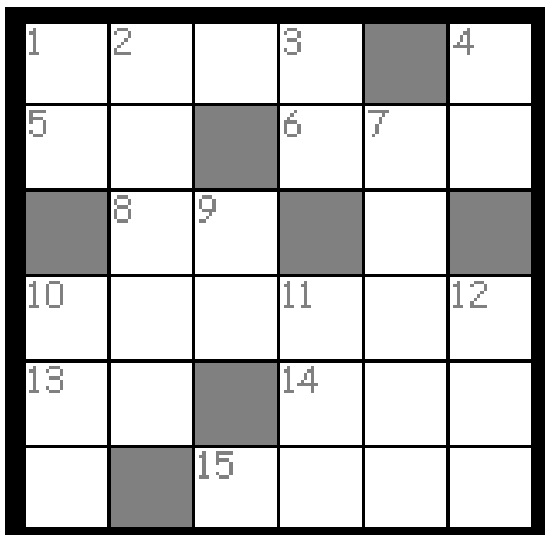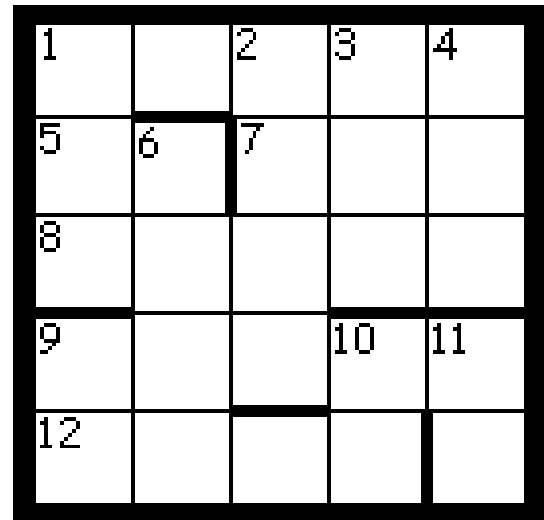# Cross numbers

Across

1. Number with five different digits, none in common with 8 Across, which in turn consists of five different digits

5. Highest two-digit factor 3 Down

7. 3 Down reversed

8. See 1 Across

9. One-ninth the sum of 1 Across and 8 Across

12. Product of three two-digit prime numbers, two of them factors of 6 Down

Down

1. First digit equals sum of next two.

2. Year in second half of eighteenth century

3. Difference between 1 Across and 8 Across

4. Last digit is the product of first two digits

6. Reverse is multiple of 3 Down, and a product of three two-digit primes

9. Factor of 6 Down but not of 3 Down

10. Same as 5 Across

11. Smallest two-digit factor of 3 Down

Across

1. Square of a prime number

5. Half of highest common factor of 10 Down and 11 Down

6. Cube of square.

8. Square root of 1 Across

10. A symmetrical square (same left to right as right to left)

13. Larger by 1 than 9 Down

14. Fives times as large as 8 Across

15. Square of a number larger by 1 than 13 Across

Down

1. Smaller by 8 than the smallest integer which, when divided by 2, 3, 4, 5, and 6 has remainders 1, 2, 3, 4, and 5

2. Number whose digit sum is 29

3. Prime number

4. Prime factor of 11 Down

7. Quadrupled product of one-tenth 15 Across and 13 Across

9. Twice 4 Down

10. 11 Down reversed

11. Square root of 10 Across

12. Multiple of the highest prime factor of 13 Across