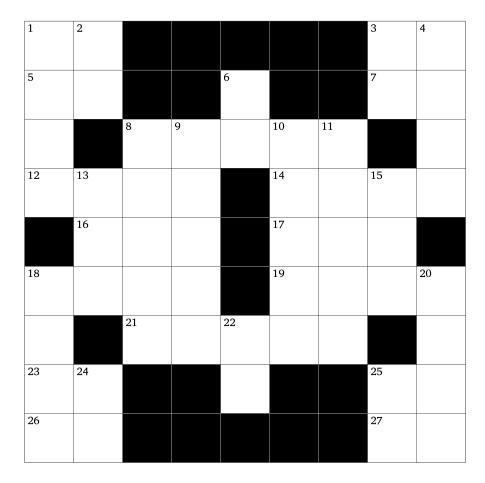# CrossFigure - Challenging Puzzle #20

This puzzle is like a crossword, but with numbers. Each digit occupies a square and can be a part of a "word" in the across and down directions.

Rules:

1. "Words" may not start with a zero.
2. "Words" read from left to right and top to bottom.
3. There is one unique solution which satisfies all the clues given below.
4. Some "words" may not have clues. They will be determined by the "words" which intersect them.

Across

1 Four-fifths of 6 down
3 Three times a prime number
5 Mean of 1 across and 25 across
7 Six times a square
8 Four more than 8 down
12 Consecutive digits unordered
14 Half of 8 across, then subtract 9 down
16 Mean of 15 down and 24 down
17 Nineteen times a square
18 Twice a prime number
19 Mean of 4 down and 5 across
21 1 down times 25 down
23 17 across divided by 3 down
25 Twice 3 down
26 Consecutive digits in ascending order
27 2 down minus 22 down

Down

1 21 across divided by 6 down
2 24 down minus 3 across
3 27 across minus 5 across
4 A palindrome
6 20 down minus 18 down
8 Its digits total 1 across
9 Three times a prime number
10 Eight thousand five hundred thirty-five more than 11 down
11 Fifteen times a prime number
13 26 across plus 23 across
15 Eighteen times a prime number
18 20 down minus 25 down
20 Two hundred sixty more than 18 across
22 13 down minus 7 across
24 Twice 23 across
25 Same as 6 down

Challenging-20

Solution:

2	8	■	■	■	■	■	1	5
3	3	■	■	3	■	■	9	6
2	■	9	4	5	3	2	■	6
3	1	4	2	■	4	6	4	5
■	2	5	6	■	9	3	1	■
9	7	2	2	■	2	8	4	9
9	■	8	1	3	0	5	■	9
4	9	■	■	1	■	■	3	8
7	8	■	■	■	■	■	5	2