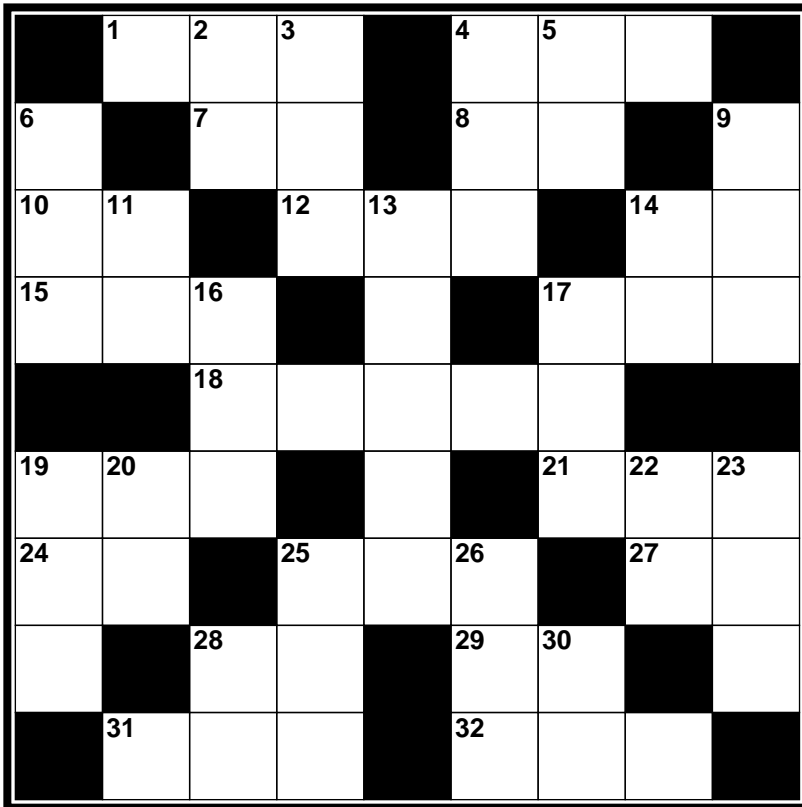


Cross Figure #1

Y. Dvir



ACROSS

1. Consecutive digits in order
4. 2 down squared
7. 27 across minus one
8. See 30 down
10. Its digits total 7 across
12. Three times 28 across
14. Its digits total five
15. Consecutive digits in reverse order
17. See 31 across
18. 1 across squared
19. Three times 8 across
21. 31 across minus 29 across
24. Five times 14 down
25. 4 across reversed
27. Square root of 25 across
28. One digit is twice the other
29. Four times 27 across
31. Seven times 17 across
32. Consecutive digits in order

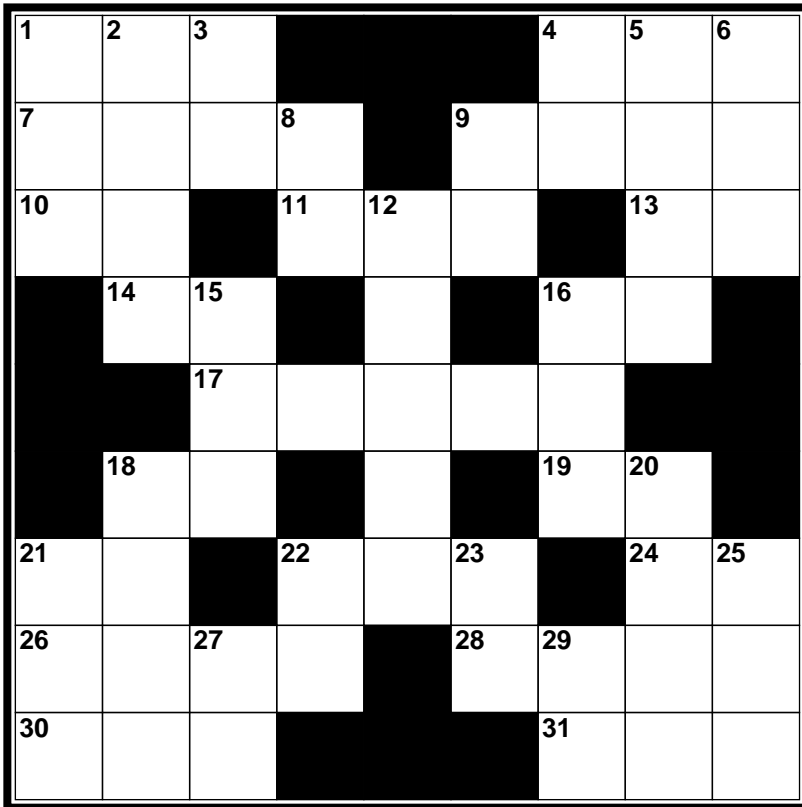
DOWN

2. A third of 28 across
3. See 6 down
4. 23 down plus 28 down
5. Four times 7 across
6. 3 down plus 8 across
9. 17 down minus 24 across
11. Twice 27 across
13. 32 across times 12 across
14. First two digits of 17 across
16. Consecutive digits unordered
17. 14 across squared
19. 21 across minus 4 across
20. 28 down minus 14 across
22. Its digits total 14 down
23. Five times 30 down
25. 25 across minus 27 across
26. Three identical digits
28. A square
30. 8 across plus one

Scratch Area

Cross Figure #2

Y. Dvir



ACROSS

1. 22 across plus 27 down
4. 21 down minus 8 down
7. 11 across times 21 across
9. 16 across times 23 down
10. See 18 down
11. Three times 22 across
13. 16 across plus 19 across
14. Half of 21 down
16. 22 down plus 9 down
17. 24 across times 31 across
18. See 9 down
19. Mean of 16 across and 24 across
21. See 4 down
22. Consecutive digits in order
24. 8 down plus 4 down
26. 10 across squared
28. Its digits total thirteen
30. 16 down plus 25 down
31. Three times 1 across

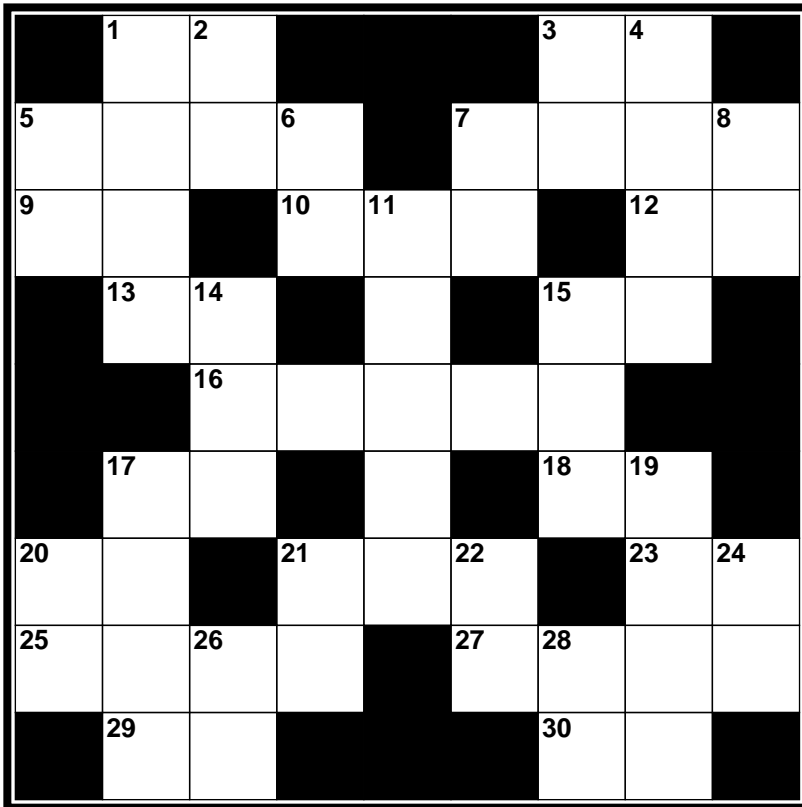
DOWN

1. Seven times 3 down
2. 14 across times 13 across
3. Twice 4 down
4. Two thirds of 21 across
5. 20 down minus half of 14 across
6. 25 down plus eleven
8. See 4 across
9. Mean of 18 across and 21 across
12. 1 down times 11 across
15. Five times 10 across
16. First and last digit are the same
18. 10 across times 24 across
20. 22 across times 24 across
21. 22 down times 4 down
22. Two fifths of 24 across
23. 21 across plus 9 down
25. See 30 across
27. See 29 down
29. 24 across plus 27 down

Scratch Area

Cross Figure #3

Y. Dvir



ACROSS

1. Twice 15 across
3. The sum of digits in 4 down
5. See 25 across
7. 3 across times 15 down
9. 2 down plus 21 down
10. See 1 down
12. Four times 21 down
13. 5 down plus 28 down
15. Mean of 23 across and 7 down
16. Three times 1 down
17. Half of 15 across
18. 21 across minus 8 down
20. Same as 20 down
21. 4 down divided by eight
23. 2 down minus 5 down
25. Twice 5 across
27. Three times 17 down
29. See 3 down
30. 12 across plus 21 down

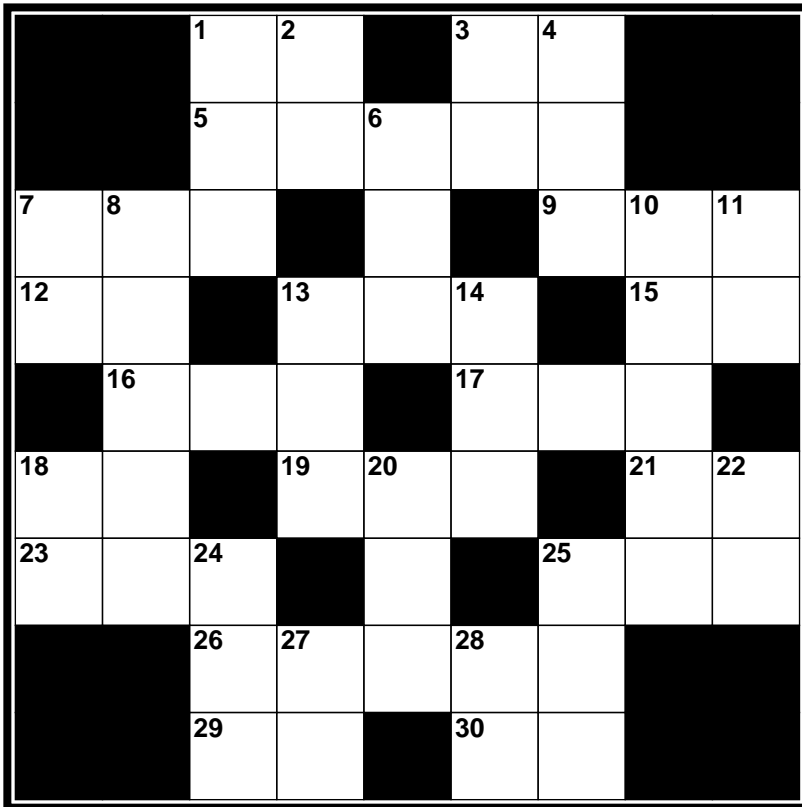
DOWN

1. Five times 10 across
2. See 19 down
3. 29 across plus one
4. See 11 down
5. 1 across minus 3 down
6. 9 across plus 29 across
7. 20 across minus 17 across
8. Mean of 6 down and 22 down
11. 3 down times 4 down
14. 5 across divided by seven
15. Three times 8 down
17. 13 across times 28 down
19. 2 down times 30 across
20. 23 across plus 24 down
21. See 12 across
22. Twice 2 down
24. Square root of 21 across
26. 20 across plus 7 down
28. 5 down plus one

Scratch Area

Cross Figure #4

Y. Dvir



ACROSS

1. See 29 across
3. 29 across plus 18 down
5. 13 across squared
7. 29 across plus 2 down
9. Nine times 29 across
12. 27 down minus 29 across
13. 16 across minus 23 across
15. 30 across plus 27 down
16. Twice 1 down
17. Twice 19 across
18. See 22 down
19. Three times 4 down
21. 2 down minus 28 down
23. See 13 across
25. 16 across minus 7 across
26. 7 across squared
29. 1 across plus 12 across
30. See 15 across

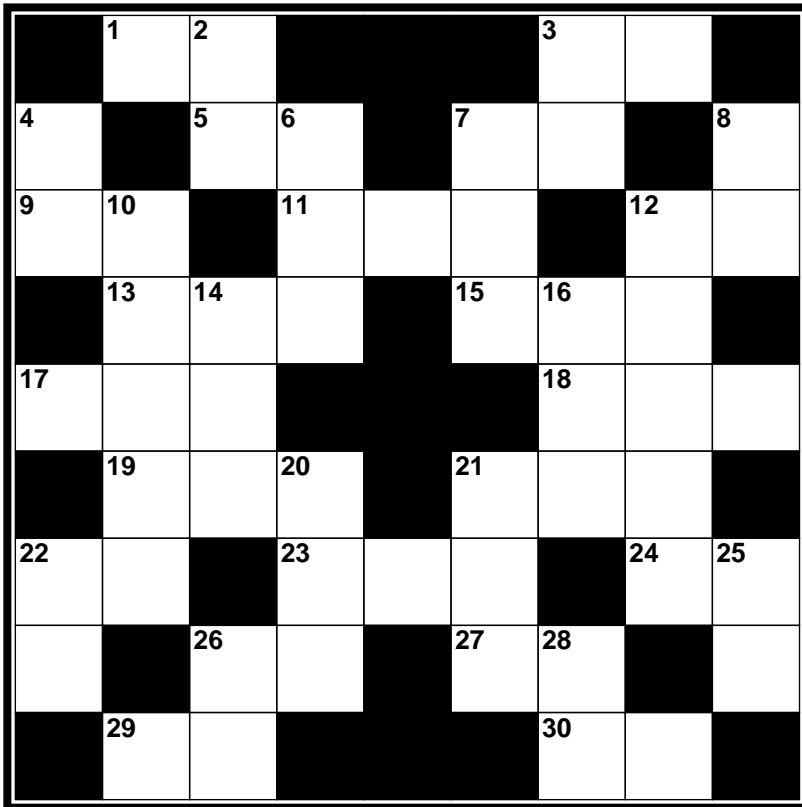
DOWN

1. See 16 across
2. 18 across plus 22 down
3. Three times 28 down
4. Four times 11 down
6. 23 across plus 21 across
7. Half of 28 down
8. 4 down squared
10. Its digits total twenty seven
11. See 4 down
13. 14 down minus 2 down
14. See 13 down
18. See 3 across
20. 24 down minus 23 across
22. Five times 18 across
24. See 20 down
25. 1 down plus 13 down
27. 21 across plus one
28. See 7 down

Scratch Area

Cross Figure #5

Y. Dvir



ACROSS

1. 12 across plus 26 down
3. 9 across plus 26 down
5. 3 down plus 24 across
7. 9 across plus 4 down
9. 8 down minus 7 across
11. Seven times 3 down
12. 29 across minus 27 across
13. Five times 18 across
15. 4 down times 9 across
17. Twice 22 down
18. Three times 3 across
19. 28 down times 12 across
21. 15 across plus 19 across
22. 9 across plus 30 across
23. Twice 18 across
24. 1 across plus 28 down
26. 10 down divided by 6 down
27. Three times 28 down
29. A square
30. 3 down plus 7 across

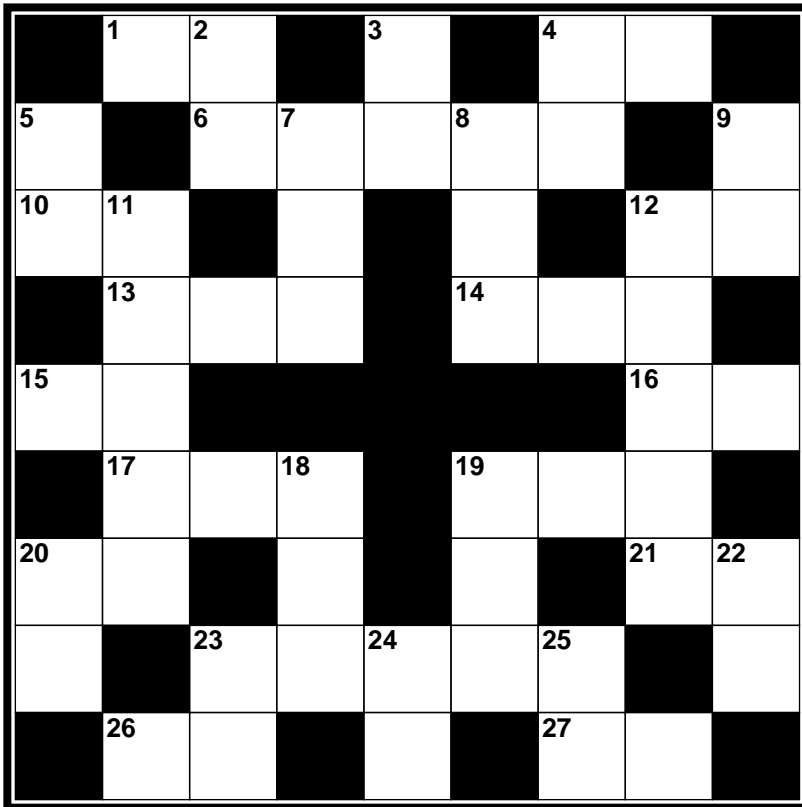
DOWN

2. 24 across plus 26 down
3. 22 across minus 8 down
4. 22 across minus 24 across
6. Five times 20 down
7. 19 across plus 14 down
8. 2 down minus 26 across
10. 20 down squared
12. 18 across squared
14. Three times 30 across
16. 12 across times 3 down
20. Five times 26 across
21. Sum of digits is ten
22. A square
25. 12 across plus 4 down
26. 9 across plus 12 across
28. 22 across divided by five

Scratch Area

Cross Figure #6

Y. Dvir



ACROSS

1. 4 down minus 26 across
4. 10 across plus 12 across
6. 18 down times 23 down
10. 3 down minus 4 across
12. 2 down minus 26 across
13. Nine times 25 down
14. Four times 7 down
15. 1 across plus 9 down
16. 20 across plus 24 down
17. Nine times 5 down
19. 12 across times 2 down
20. Half of 15 across
21. Twice 4 across
23. 7 down squared
26. 21 across minus 20 down
27. A square

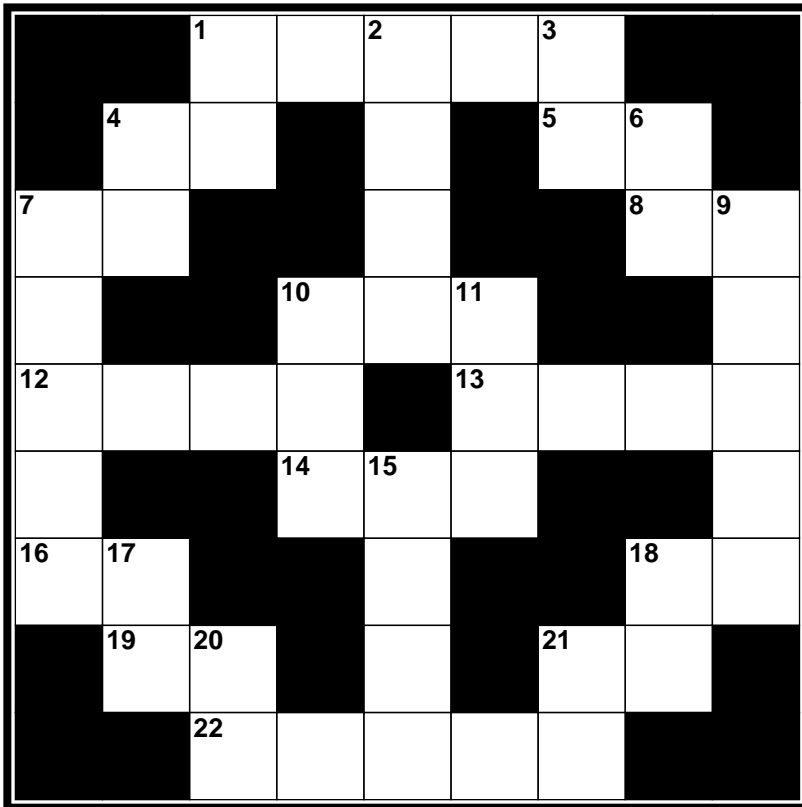
DOWN

2. Three times 10 across
3. Mean of 20 across and 20 down
4. Two thirds of 20 down
5. 22 down plus 23 down
7. Six times 20 across
8. Three times 24 down
9. 20 down plus 22 down
11. 8 down squared
12. 8 down times 16 across
18. 19 across plus 7 down
19. 13 across plus 20 down
20. 25 down minus 12 across
22. Twice 10 across
23. 3 down plus 22 down
24. 10 across plus 20 across
25. A square

Scratch Area

Cross Figure #7

Y. Dvir



ACROSS

1. 10 across squared
4. 5 across plus one
5. 11 down minus 21 across
7. A square
8. 4 down plus two
10. Nine times 18 across
12. 19 across squared
13. 7 across squared
14. Three times 21 down
16. Twice 18 down
18. See 10 across
19. See 12 across
21. 3 down plus 4 down
22. 14 across squared

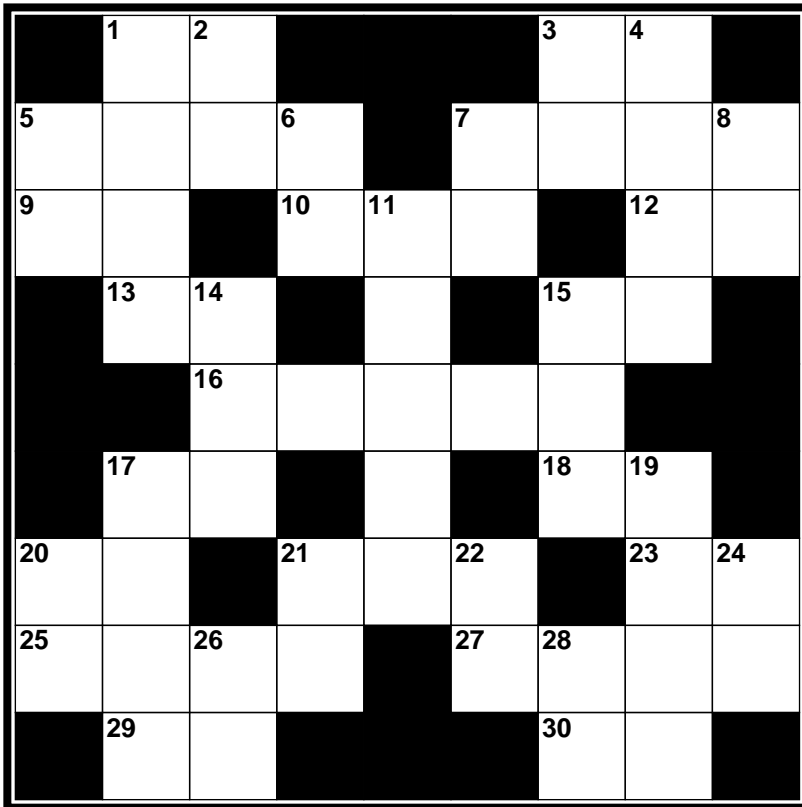
DOWN

1. A square
2. 6 down squared
3. See 21 across
4. See 20 down
6. Three quarters of 16 across
7. 10 down squared
9. 11 down squared
10. Four times 5 across
11. 21 down plus 16 across
15. 4 down squared
17. 5 across plus 6 down
18. 5 across minus 18 across
20. 4 down reversed
21. 1 down plus 3 down

Scratch Area

Cross Figure #8

Y. Dvir



ACROSS

1. 29 across minus 23 across
3. Three times 17 across
5. 4 down plus 17 down
7. Its digits total 17 across plus one
9. Three times 13 across
10. 28 down plus 2 down
12. 28 down minus 2 down
13. 7 down minus one
15. Twice 23 across
16. 10 across squared
17. See 3 across
18. 7 down minus two
20. 29 across plus 23 across
21. 10 across plus 15 across
23. See 20 across
25. See 27 across
27. 25 across minus 17 down
29. Twice 6 down
30. Three times 5 down

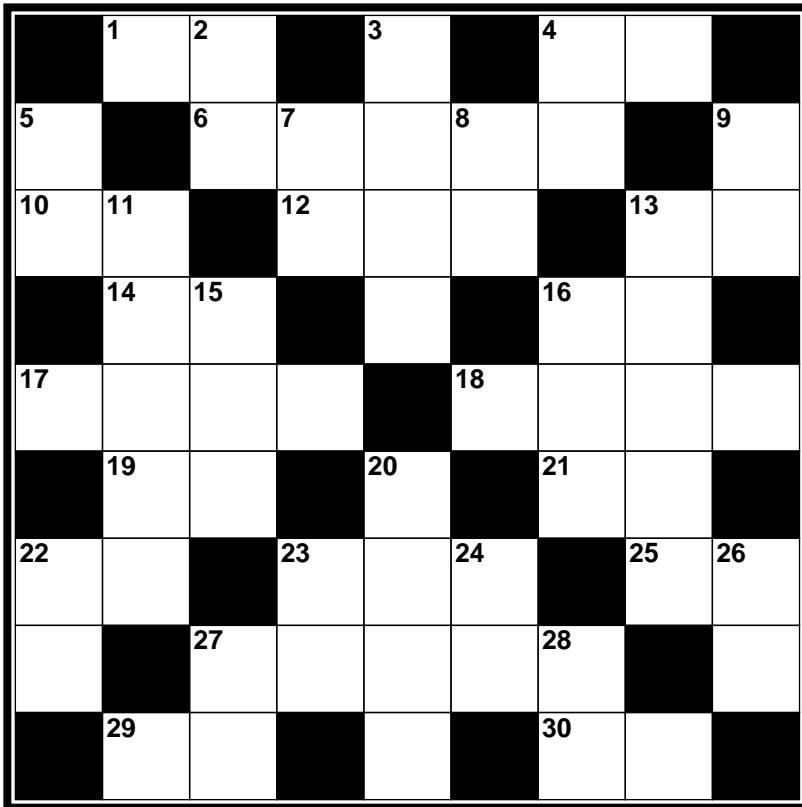
DOWN

1. 4 down plus twice 5 down
2. 15 across minus 6 down
3. 22 down plus 6 down
4. Four times 14 down
5. 3 down minus 23 across
6. Three fifths of 22 down
7. 29 across minus 17 across
8. 13 across plus 17 across
11. 21 across squared
14. See 4 down
15. 10 across plus 14 down
17. Twice 15 down
19. Sum of digits is fourteen
20. 3 down plus 6 down
21. 29 across minus 18 across
22. 15 across minus 18 across
24. 15 across plus 2 down
26. Twice 8 down
28. 21 across minus 24 down

Scratch Area

Cross Figure #9

Y. Dvir



ACROSS

1. A third of 10 across
4. 22 across plus 14 across
6. 23 across squared
10. A fifth of 16 down
12. 4 across plus 28 down
13. 21 across plus 24 down
14. See 4 across
16. 14 across plus 28 down
17. 22 down times 19 across
18. 27 down times 29 across
19. Three times 24 down
21. 7 down plus 14 across
22. 9 down plus 24 down
23. Three times 4 across
25. 13 across minus 14 across
27. 12 across squared
29. 13 across plus 5 down
30. Four times 14 across

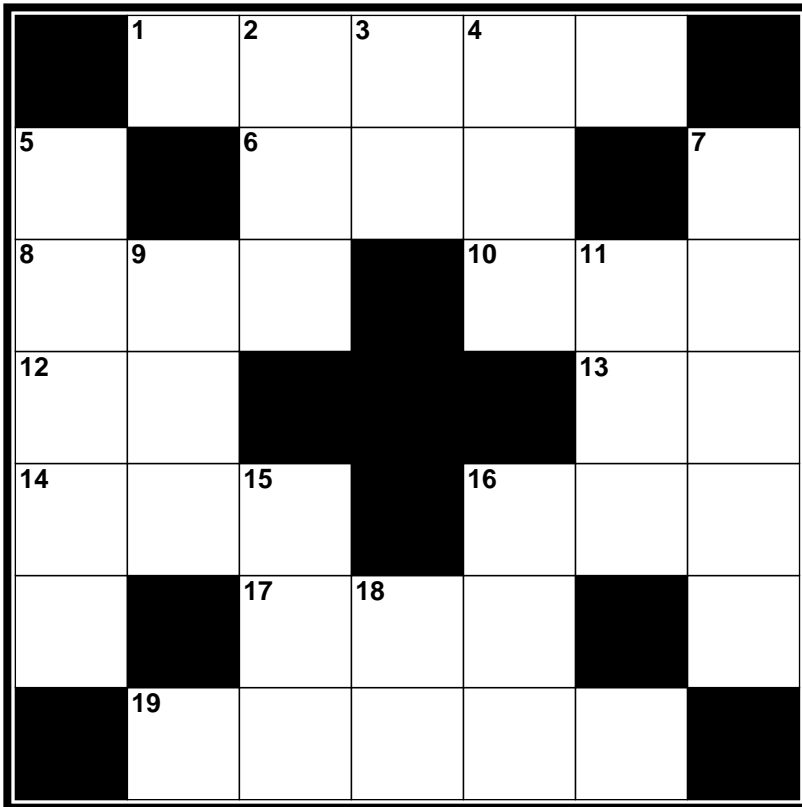
DOWN

2. 4 across minus 27 down
3. Nine times 23 across
4. 29 across plus 24 down
5. 10 across minus 19 across
7. 14 across plus 26 down
8. 15 down minus 16 across
9. Two thirds of 12 across
11. 15 down squared
13. 16 down squared
15. Twice 25 across
16. See 10 across
20. 30 across squared
22. 2 down plus 14 across
23. Twice 14 across
24. See 4 down
26. 14 across plus 27 down
27. See 2 down
28. See 16 across

Scratch Area

Cross Figure #10

Y. Dvir



ACROSS

1. 14 across times 16 across
6. 11 down plus sixty
8. See 2 down
10. Its digits total five
12. 13 across minus one
13. A square
14. 17 across minus 15 down
16. 8 across plus a hundred
17. Second digit is sum of the others
19. 6 across squared

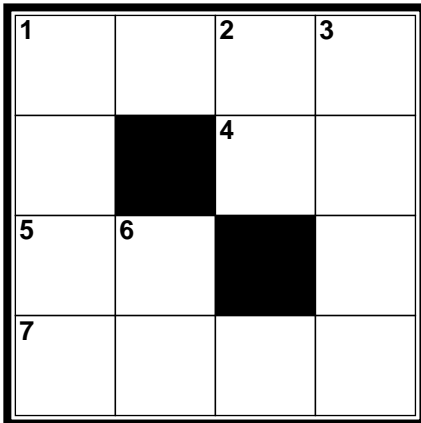
DOWN

2. 8 across plus ten times 13 across
3. Twice 12 across
4. 9 down rearranged
5. Square of two less than 6 across
7. 2 down times 3 down
9. The first digit is sum of the others
11. 8 across plus 3 down
15. Consecutive digits unordered
16. 14 across plus five
18. Last two digits of 17 across

Scratch Area

Cross Figure #11

Y. Dvir



ACROSS

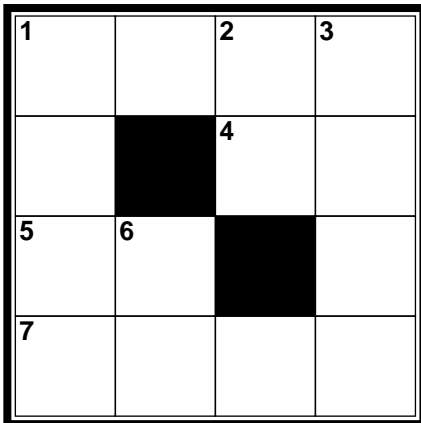
1. 1 down plus 2 down plus ten
4. The two digits are the same
5. 4 across minus ten
7. 4 across times 5 across

DOWN

1. 7 across reversed
2. Its digits total fifteen
3. 5 across squared
6. 5 across reversed

Cross Figure #12

Y. Dvir



ACROSS

1. 1 down plus a half of 5 across
4. See 7 across
5. See 3 down
7. 4 across squared

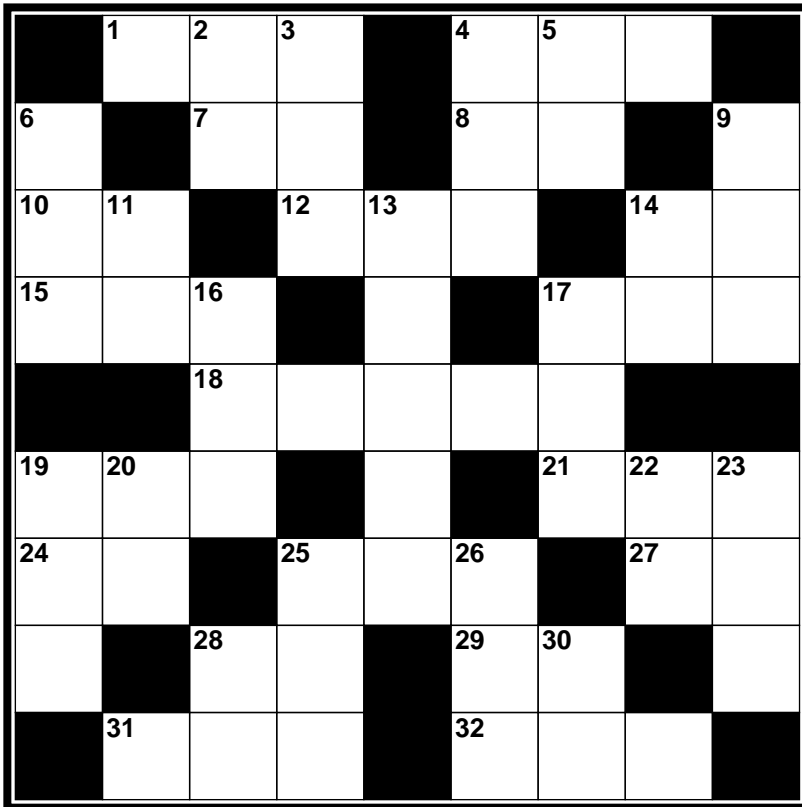
DOWN

1. 2 down times 6 down
2. 5 across plus reversed 6 down
3. 5 across squared
6. Its digits total five

Scratch Area

Cross Figure #13

Y. Dvir



ACROSS

1. 20 down plus 14 down
4. Nine times 14 across
7. 17 across minus 4 across
8. Twice 28 down
10. Three times 28 down
12. 21 across minus 32 across
14. 27 across minus 7 across
15. Four times 10 across
17. Four times 30 down
18. 12 across squared
19. Its digits total 2 down
21. Four times 4 down
24. See 2 down
25. 28 down squared
27. 30 down minus 29 across
28. A quarter of 27 across
29. 14 down minus 28 down
31. 12 across plus 19 down
32. 24 across squared

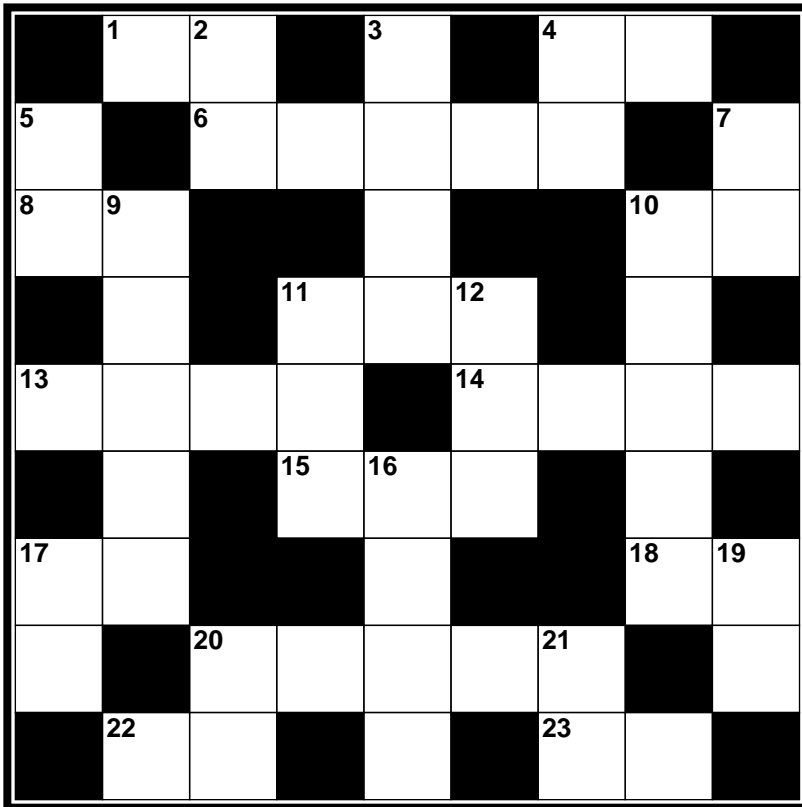
DOWN

2. A half of 24 across
3. 16 down minus two hundred
4. See 26 down
5. Its digits total 28 down
6. Three times 30 down
9. A half of 31 across
11. 20 down plus eleven
13. 19 down squared
14. Twice 28 across
16. Three times 6 down
17. Its digits total 28 across
19. Four times 14 across
20. 27 across plus 24 across
22. 27 across plus 8 across
23. 32 across plus 6 down
25. A half of 12 across
26. 4 down plus 16 down
28. 25 across minus 25 down
30. See 6 down

Scratch Area

Cross Figure #14

Y. Dvir



ACROSS

1. See 10 across
4. Twice 2 down
6. 15 across squared
8. 4 across plus 5 down
10. Three times 1 across
11. 11 down plus 4 across
13. 23 across times 19 down
14. 4 down squared
15. See 6 across
17. 4 across plus 20 down
18. 17 across plus 2 down
20. 11 across squared
22. 5 down plus 21 down
23. Three quarters of 4 down

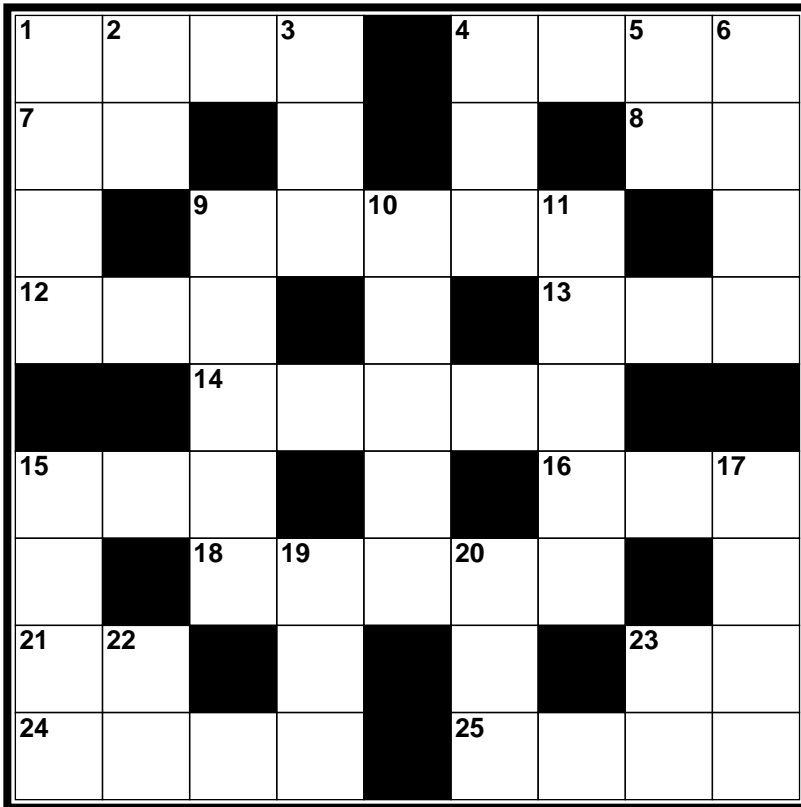
DOWN

2. See 12 down
3. Consecutive digits in order
4. Three quarters of 5 down
5. Four times 21 down
7. 1 across plus 21 down
9. 10 down plus 20 across
10. Cube of 10 across
11. 17 down plus 18 across
12. Six times 2 down
16. Cube of 21 down
17. 20 down plus 4 down
19. 22 across plus 2 down
20. See 17 across
21. See 22 across

Scratch Area

Cross Figure #15

Y. Dvir



ACROSS

1. 6 down minus 4 across
4. Four times 1 down
7. Four fifths of 21 across
8. Six times 21 across
9. Seven times 6 down
12. One and a half times 16 across
13. See 24 across
14. Its digits total nineteen
15. See 17 down
16. 15 down minus 12 across
18. 20 down times 22 down
21. See 8 across
23. Two thirds of 22 down
24. 13 across times 2 down
25. Six times 1 across

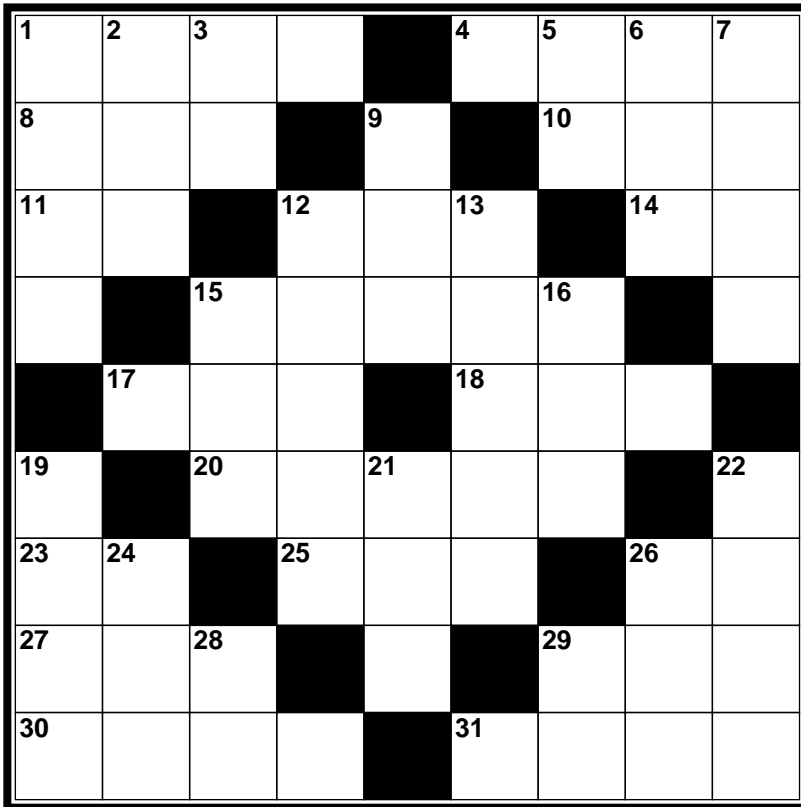
DOWN

1. A multiple of eleven
2. Two thirds of 23 down
3. Its digits total five
4. One and half times 3 down
5. Three times 23 down
6. 14 across minus 25 across
9. 10 down plus 11 down plus ten
10. 19 down squared
11. Twice 10 down
15. A hundred and one times 21 across
17. 15 across times 23 down
19. Seventh power of a number
20. 7 across times 23 down, plus one
22. 8 across minus 23 across
23. See 5 down

Scratch Area

Cross Figure #16

Y. Dvir



ACROSS

1. 1 down plus 25 across
4. 31 across plus 25 across
8. Twice the square of 26 across
10. See 9 down
11. Twice 5 down
12. 16 down plus 26 down
14. 28 down plus one
15. 8 across squared
17. See 20 across
18. 28 down times 26 across
20. 17 across squared
23. See 27 across
25. 21 down plus a hundred
26. A quarter of 14 across
27. 11 across times 23 across
29. See 21 down
30. 15 across divided by 14 across
31. Its digits total eleven

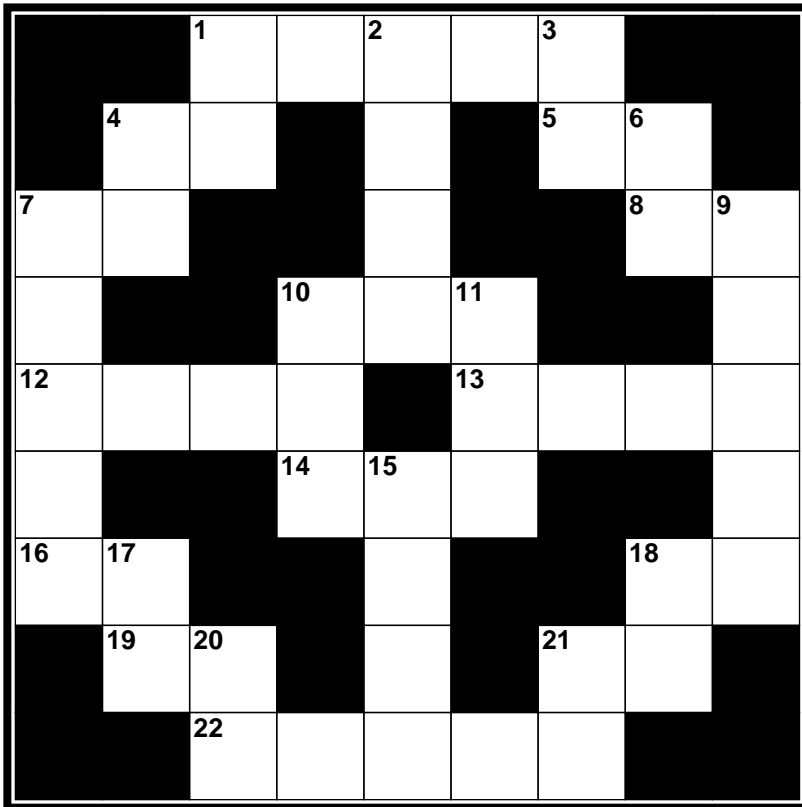
DOWN

1. Five times 27 across
2. Four times 26 down
3. Twice 26 across
5. See 11 across
6. See 13 down
7. Fifteen times 16 down
9. 10 across plus 14 across
12. 29 across squared
13. 6 down squared
15. Twenty four times 23 across
16. See 7 down
19. 24 down times 29 down
21. 29 across plus 14 across
22. A multiple of hundred and one
24. 28 down plus three hundred
26. See 12 across
28. 14 across minus one
29. 11 across minus one

Scratch Area

Cross Figure #17

Y. Dvir



ACROSS

1. 10 across squared
4. 5 across plus one
5. 11 down minus 21 across
7. A square
8. 4 down plus two
10. Nine times 18 across
12. 19 across squared
13. 7 across squared
14. Three times 21 down
16. Twice 18 down
18. See 18 down
19. See 12 across
21. 4 down plus 3 down
22. 14 across squared

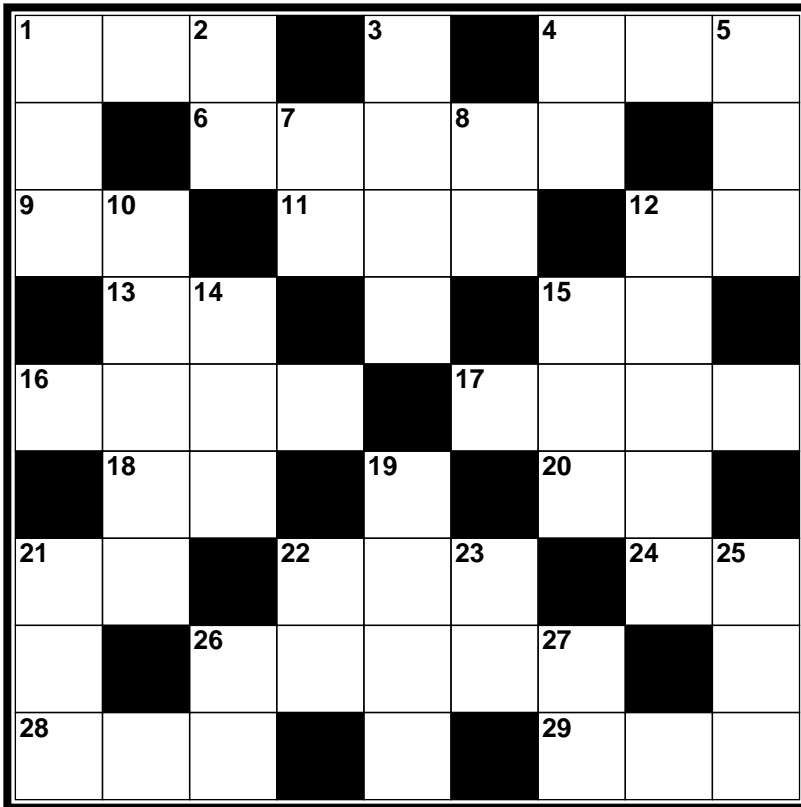
DOWN

1. A square
2. 6 down squared
3. See 21 down
4. See 15 down
6. Three quarters of 16 across
7. 10 down squared
9. 11 down squared
10. Four times 5 across
11. 21 down plus 16 across
15. 4 down squared
17. 5 across plus 6 down
18. 5 across minus 18 across
20. 4 down reversed
21. 1 down plus 3 down

Scratch Area

Cross Figure #18

Y. Dvir



ACROSS

1. 18 across plus 8 down
4. See 12 down
6. 25 down squared
9. 1 across minus 24 across
11. 7 down squared
12. 15 across plus two
13. Its digits total ten
15. Mean of 8 down and 22 down
16. Five times 21 down
17. 1 across times 23 down
18. Twice 12 across
20. Twice 22 down
21. First two digits of 21 down
22. Four times 1 down
24. 7 down plus 26 down
26. 29 across squared
28. 21 across times 8 down
29. Seven times 26 down

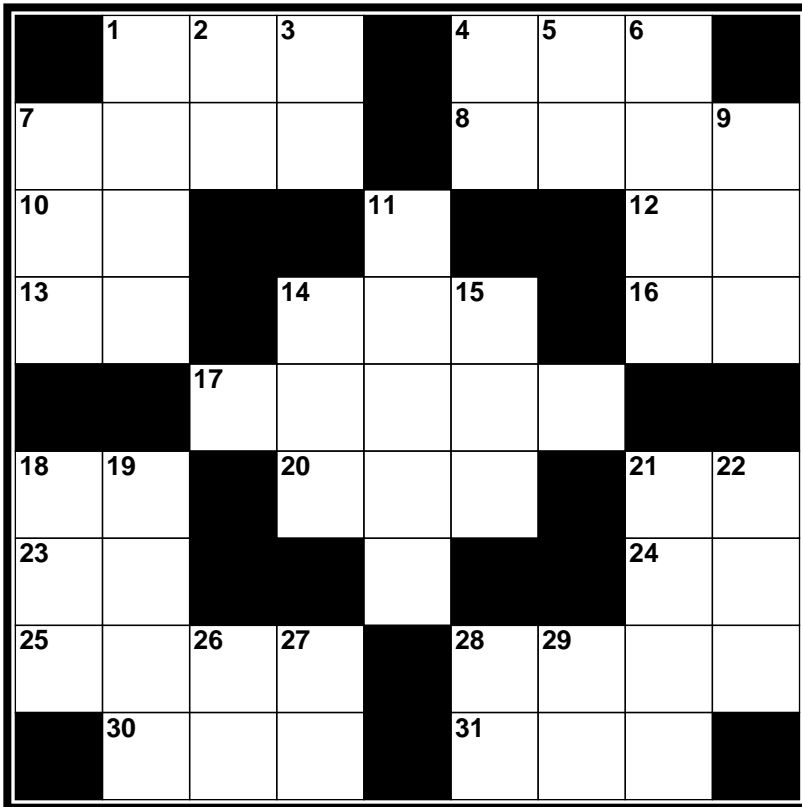
DOWN

1. 23 down plus 18 across
2. Two thirds of 27 down
3. 4 down squared
4. Three times 26 down
5. Seven times 13 across
7. Mean of 21 across and 8 down
8. Last two digits of 11 across
10. 16 across times 26 down
12. 4 across times 18 across
14. 25 down minus half of 24 across
15. First two digits are the same
19. 27 down squared
21. 28 across rearranged
22. 23 down minus one
23. Same as 24 across
25. Five times 22 down
26. Three fifths of 21 across
27. 26 down reversed

Scratch Area

Cross Figure #19

Y. Dvir



ACROSS

1. 9 down plus three
4. 9 down minus 15 down
7. 25 across plus 21 down
8. 24 across times 26 down
10. A cube
12. Last two digits of 6 down
13. 12 across minus ten
14. 14 down minus 28 down
16. 2 down minus five
17. A cube of 28 down
18. Three times 28 down
20. Second digit is sum of the others
21. A square
23. 18 across minus 3 down
24. Five quarters of 5 down
25. 28 down squared
28. 30 across times 28 down
30. 13 across plus 5 down
31. 14 down minus 30 across

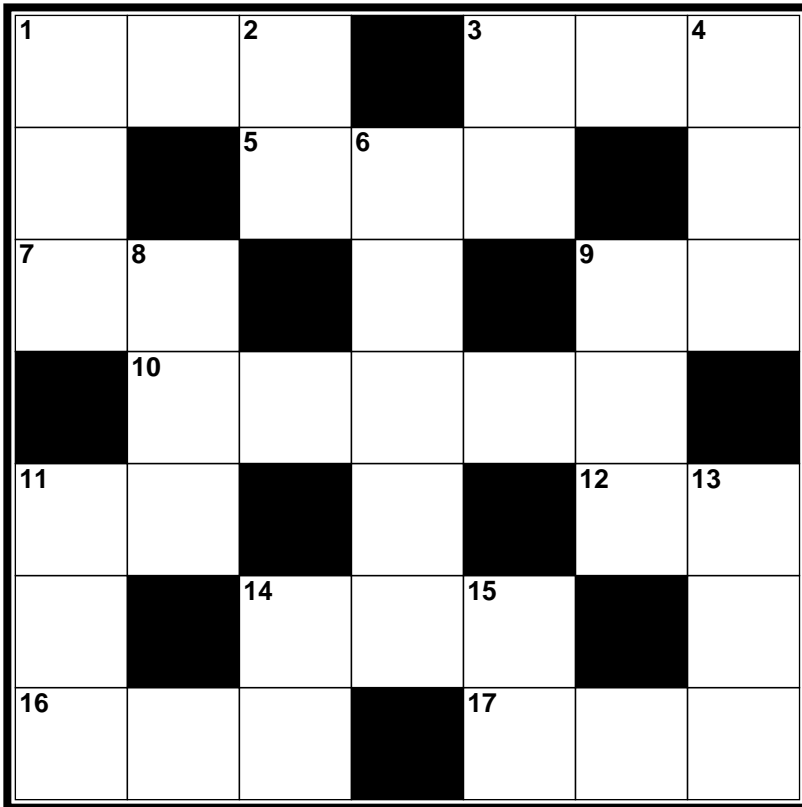
DOWN

1. 29 down squared
2. 26 down minus 21 across
3. 12 across minus 2 down
4. Two thirds of 28 down
5. 10 across plus one
6. 13 across squared
7. Twice 30 across
9. 21 across times 24 across
11. 30 across squared
14. Twice 7 down
15. Three times the same digit
18. 3 down squared
19. 18 across squared
21. Six times 4 across
22. Its digits total thirteen
26. A square
27. 5 down plus twice 28 down
28. See 17 across
29. 12 across minus 4 down

Scratch Area

Cross Figure #20

Y. Dvir



ACROSS

1. 3 across minus 11 down
3. 13 down minus four
5. Its digits total five
7. Twice 2 down
9. One digit is three times the other
10. 17 across squared
11. Its digits total ten
12. 14 down plus 9 across
14. 1 down minus 17 across
16. Four times 9 across
17. A third of 3 across

DOWN

1. 11 across times 14 down
2. The two digits are the same
3. A multiple of three
4. 1 down minus five
6. 16 across squared
8. The last digit is the sum of the others
9. Consecutive digits in order
11. The second digit is the sum of the others
13. Its digits total 11 across
14. See 1 down
15. Sum of its digits squared

Scratch Area

Answers 1 to 10

#1

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

#2

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

#3

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

#4

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

#5

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

#6

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

#7

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

#8

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

#9

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

#10

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

Answers 11 to 20

#11

1	2	6	7
1		9	9
8	9		2
8	8	1	1

#12

2	1	9	3
1		4	8
6	2		4
2	3	0	4

#13

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

#14

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

#15

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

#16

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

#17

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

#18

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

#19

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

#20

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