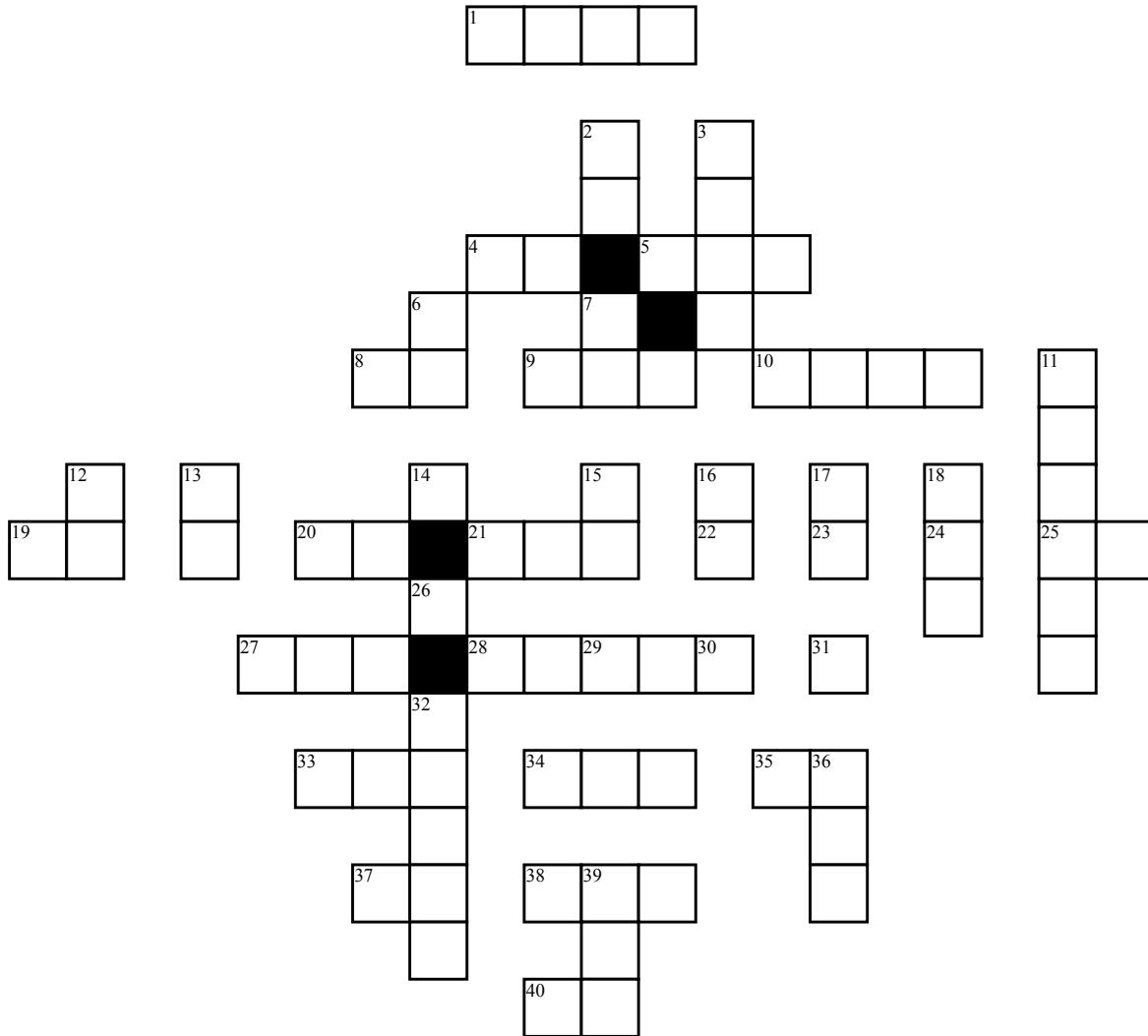


Cross number



Across

1. whats the interior angle sum of an octagon
4. round to the nearest hundreth; sin 135 degrees
5. To the nearest tenth, what is the distance between(7,-4) and (-3,-1)?
8. $-6a-5 = -95$, what is the value of a
9. $180-75 =$
10. the midpoint of a segment is (-8,3). If one endpoint is (0,1), what is the other endpoint?
19. an obtuse traingle has an 140 degree and a 20 degree angle, what does the third angle have to be?
20. 7,14,21,28...whats next?
21. are of a rectangle with sides of a 100 and 25
22. how many sides does a octagon have?
23. The number of lines formed by 4 points, no three of which are collinear is what?
24. $(2x+6) + (2x+6) = 24$, find the value of x
25. 48,36,24.....whats next?
27. The midpoint of a segment is (-8,5). If one endpoint is (0,1), what is the other end point?
28. what is the angle rotation and the order of rotational symmetry for the letter H?
33. in a trinagle, if side length ED is half of side length FD, and ED is 60, then whats the sidelength of FD?
34. if coordinates X(6,-5) , y(8,4), and Z(3,-1), were rotated 90 degrees, what would the new point for X be?

35. if it is an actute angle, then it it less than how many degrees?
 37. find the measure of one exterior angle in a hexagon
 38. M is between N and O, $MO = 15$, and $MN = 7.6$ Find NO
 40. K is the midpoint of VW. If $KV = 3x$ and $KW = 5x-10$, what is VW?
- Down**
2. $7y-84=2y+61$
 3. The pilot of a traffic helicopter sights an accident at an angle of depression of 18 degrees. The helicopters altitude is 1560 feet. Whats the horizontal distance from thr helicopter to the accident? round to nearest foot.
 6. S is the midpoint of TV, $TS = 4x-7$, and $SV = 5x-15$. Find TS
 7. a traingle has two angles that add up to 150 degrees, what does the third angle have to be ?
 11. if image of (9, -10) was reflected over x-axis, waht would be its new coordinates?
 12. two vertical angles are also complementary. what is the measure of one of the two vertical angles?
 13. M is between R and S . If $RM = 21$, $RS = 15x-3$, and $MS = 9x+12$, what is RS?
 14. $3(5x+1) = 13x + 5$, find the value of x
 15. if it is an obtuse angle, it has to be more than how many degrees?

16. round to the nearest hundreth; sin 100 degrees
17. The are of a square is 16 square units. What is the perimeter?
18. in a triangle if side AD is congruent to DB, and AD side length is 13.5, then what is the side length of DB?
26. how many lines of symmetry does a four leaf clover have?
29. the product of zero and a negative number is what?
30. $3k+5 = 17$, what is the value of k?
31. how many lines of symmtery does a square peice of paper have ?
32. 0.4, 0.04, 0.004.... whats next?
36. round to the nearest hundreth; cos 133 degrees
39. what is $8/20$ similar to?