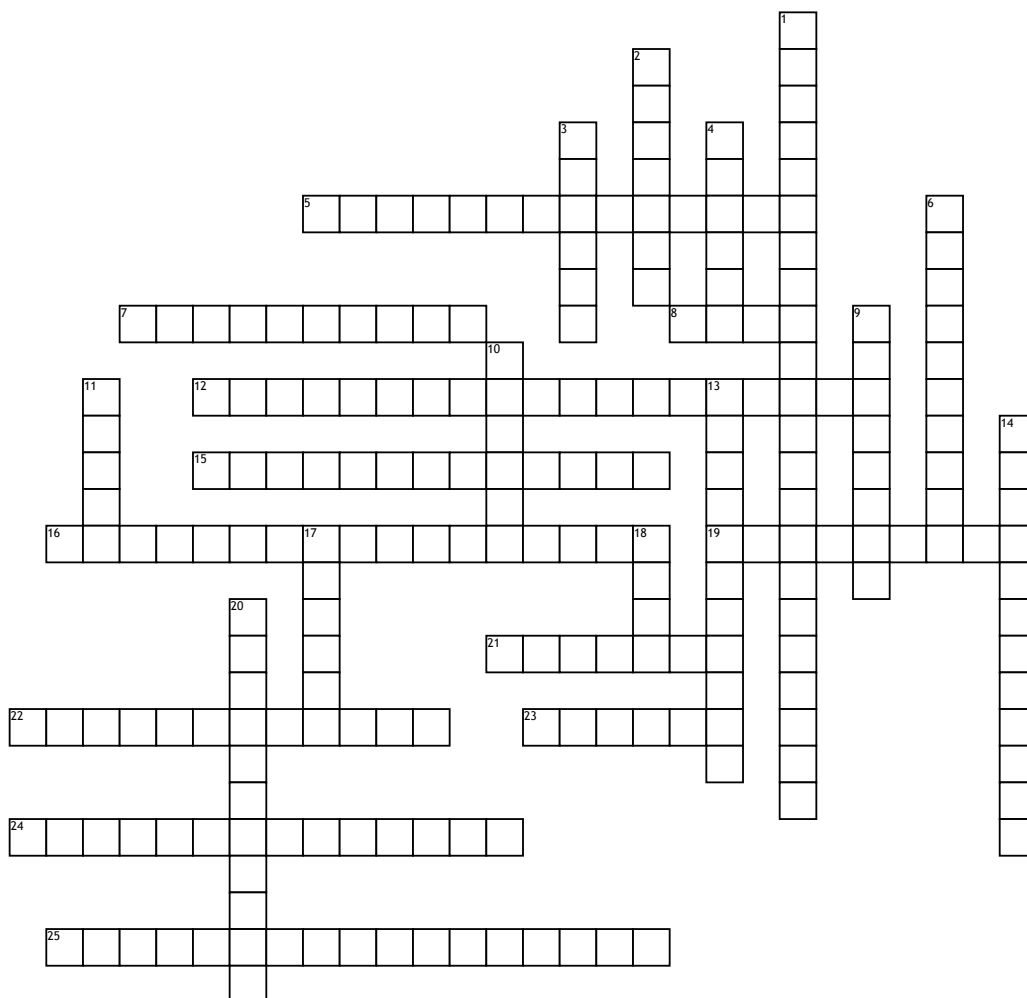


# trig cross word puzzle



## Across

5. A special right triangle with acute angles measuring  $30^\circ$  and  $60^\circ$ .  
 7. A circle with a radius of 1  
 8. The the non-hypotenuse two sides of the triangle  
 12. Ratios of any two sides of a right triangle.  
 15. A triangle that contains a right angle, which measures  $90^\circ$ , and two acute angles each less than  $90^\circ$ .  
 16. A function whose graph repeats its pattern of peaks and troughs indefinitely  
 19. A trigonometric ratio that is the reciprocal of the tangent

21. A trigonometric ratio of opposite/adjacent  
 22. The relationship of the sides and angles of a triangle  
 23. An angle greater than  $90$  degrees and less than  $180$  degrees  
 24. An isosceles right triangle  
 25. Any triangle with two sides of the same length

## Down

1. A triangle with two sides of the same length and one with a right angle  
 2. The unit used to measure angles  
 3. The endpoint of the ray  
 4. A way to measure an angle

6. The side opposite the right angle  
 9. A trigonometric ratio that is the reciprocal of the sine  
 10. A trigonometric ratio that is the reciprocal of the cosine  
 11. An angle less than  $90$  degrees  
 13. The leg next to the angle  $\theta$   
 14. The angle within a circle that is used for radian measuring.  
 17. A trigonometric ratio of adjacent/hypotenuse  
 18. A trigonometric ratio of opposite/hypotenuse  
 20. The leg across from the angle  $\theta$

## Word Bank

30-60-90 triangle	Hypotenuse	Legs	Central angle	Right triangle
Isosceles right triangle	Acute	Trigonometric ratios	Obtuse	Cosine
Sine	Cotangent	Adjacent leg	Periodic functions	Unit circle
Trigonometry	Opposite leg	Tangent	Isosceles triangle	Cosecant
Radians	45-45-90 triangle	Degree	Vertex	Secant