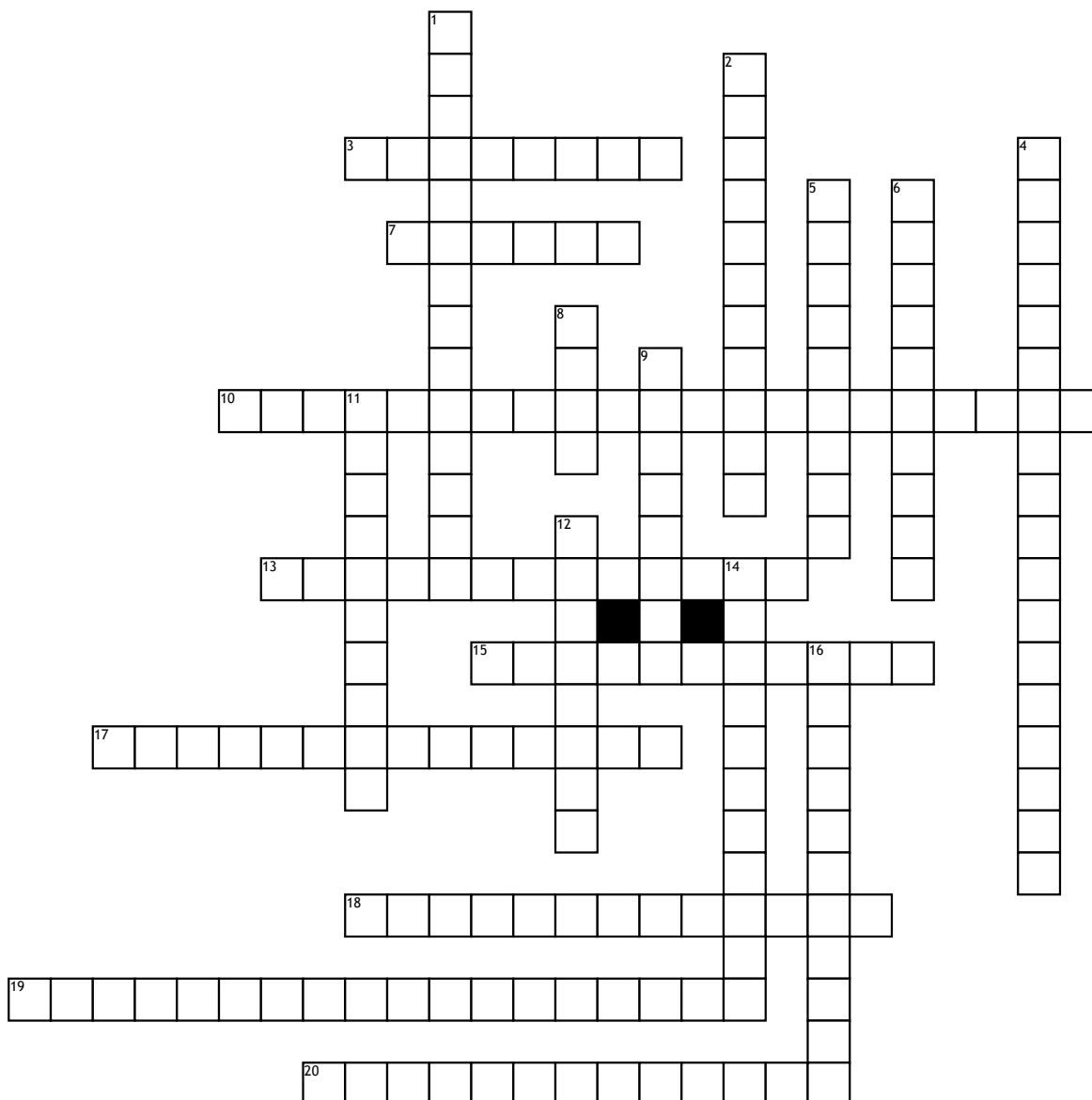


Geometry Overview



Across

3. Segment that contains the center and has both endpoints on the circle. The full measure from one end of a circle to another.

7. A point where 3 or more edges intersect. Two lines meet here to form an angle and the corners of the polygons and polyhedra.

10. Segment, ray, or line that is perpendicular to the segment at its midpoint. Also, a line which cuts a line segment into 2 equal parts at 90 degrees.

13. Check if ratios are equal by multiplying the diagonals of a proportion. Also known as the butterfly method.

15. Ratio of corresponding linear measurements of 2 similar figures. Used as a multiplier in scaling and used to scale shapes in 1, 2, and 3 dimension.

17. Function that maps every point of a figure (pre image) onto its own image. The figure, expression, or function is converted into another that's equivalent but is differently expressed or represented.

18. Co planar lines that don't intersect. Symbol looks like \parallel .

19. A polygon with all sides that are congruent. All sides are equal.

20. A single true statement that combines a true conditional and it's true converse. Also, Proposition in logic involving two statements, one of which is true if, and only if, the other is true.

Down

1. 2 angle that have a common side and a common corner point, and don't overlap. Also, Angles which share a common side or "touch".

2. Measure of the total area that the surface of an object occupies. Sum of the areas of all shapes that cover the surface of the object.

4. the square of the hypotenuse (Side opposite right angle) is equal to the sum of the squares of the other two sides. The equation is $a^2+b^2=c^2$.

5. Lines that aren't parallel and don't intersect. They are non parallel and never touching.

6. Space figure or 3D figure who's surfaces are polygons. Solid in 3 dimension with flat polygonal faces, straight edges, and sharp corners or vertices.

8. Each polygon of the polyhedron. Flat surface that forms part of the boundary of a solid object.

9. Perpendicular segment form a vertex of the triangle to the line containing the opposite side. This word is another word for height.

11. Has 2 equal ratios. Part, share, or number considered in comparative relation to a whole.

12. Rigid transformation around a center of turning; unless stated otherwise, they're clockwise. Also, movement of an object around a point or center.

14. Transformation that maps all points of a figure the same distance in the same direction. Also, sliding the image across a plane with an equal distance.

16. Line that intersects 2 or more co planar lines. Intersecting of a line through a system of line.