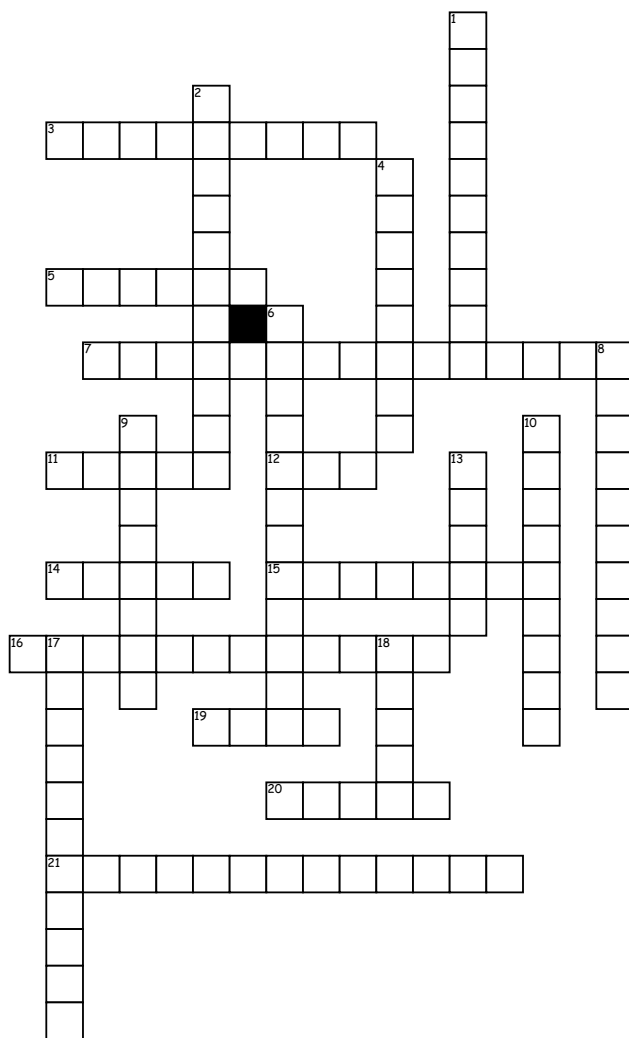# Tools of Geometry

## Across

**3.** Points that lie on the same line.

**5.** The common endpoint of an angle.

**7.** The segment, line, or plane that intersects a segment at its midpoint.

**11.** A location.

**12.** A type of line consisting of one end point and all the points that extend from it. A "half-line."

**14.** A boundless 3-dimensional set of all points.

**15.** Points that lie on the same plane.

**16.** Points that do not lie on the same line.

**19.** Made up of points and has no defined width.

**20.** The rays that create an angle.

**21.** A ray that divides an angle into two congruent angles.

## Down

**1.** An angle with a degree measure less than 90.

**2.** A measurable part of a line that consists of two endpoints and all the points between them.

**4.** A point on a segment exactly halfway between its endpoints.

**6.** A set of points common to two geometric figures.

**8.** An angle with a degree measure of 90.

**9.** The length of the segment between two points.

**10.** Having the same measure.

**13.** A flat surface made up of points that extends infinitely in all directions.

**17.** An angle with a degree measure greater than 90 but less than 180.

**18.** The intersection of two noncollinear rays at a common endpoint.

## Word Bank

| | | | |
|---|---|---|---|
| CONGRUENT | LINE | RIGHT.ANGLE | LINE.SEGMENT |
| INTERSECTION | COLLINEAR | COPLANAR | DISTANCE |
| MIDPOINT | SPACE | RAY | ACUTE.ANGLE |
| PLANE | OBTUSE.ANGLE | POINT | ANGLE.BISECTOR |
| SIDES | NONCOLLINEAR | ANGLE | SEGMENT.BISECTOR |
| VERTEX | | | |