



- How many numbers are there up to 1200 that are relatively prime to 1200?
- What does it mean for a figure to be *convex*?
- Draw a convex quadrilateral. How many points of intersection do the diagonals have (inside the figure)?
- Draw a convex pentagon. How many points of intersection do the diagonals have (inside the figure)?
- Draw a convex hexagon. How many points of intersection do the diagonals have (inside the figure, assuming no 3 diagonals meet in the same point)?