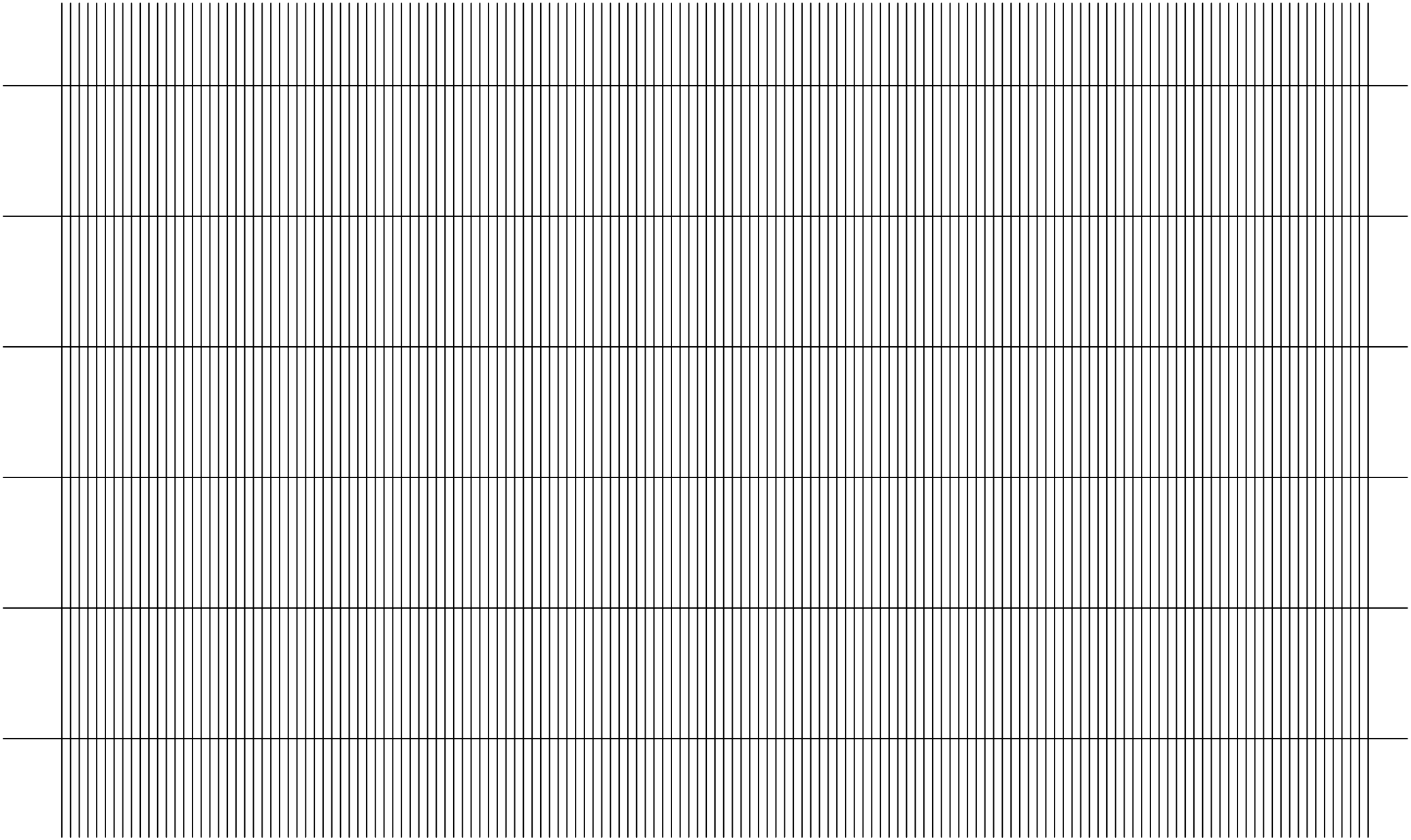17 PPI