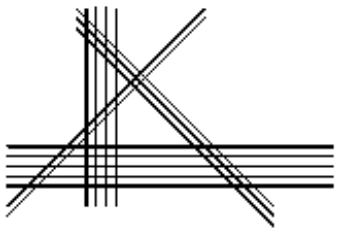
8. The diagram shows four sets of parallel lines, containing 2, 3, 4 and 5 lines respectively.
How many points of intersection are there?

A 54 B 63 C 71 D 95 E 196



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8. **C** The intersections occur in six groups and the total number of points is
$2\times3+2\times4+2\times5+3\times4+3\times5+4\times5$ which is $6+8+10+12+15+20=71$.