Zbl 214.30602
Erdős, Paul
Some extremal problems in combinatorial number theory (In English)
Math. Essays dedicated to A.J. Macintyre 123-133 (1970).

[For the entire collection see Zbl 205.08601.]

The author proves that one can find a sequence of integers $a_1 < \ldots < a_k \leq x$, $k > cx$ so that no four a's have pairwise the same least common multiple. The author could not decide whether the result remains true for three a's. Several related problems are discussed.

Classification:

11N25 Distribution of integers with specified multiplicative constraints