

Maths Circle India: Module 8, Session 3  
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2 Lowest Common Multiple

Formulate a definition of the least common multiple(lcm) of two positive integers  $a, b$  (mimicking the definition of gcd given above). If  $d$  is the gcd and  $l$  is the lcm of  $a, b$ , then show that  $ld = ab$ .