

QUESTION

Find the least common multiple of each of the pairs in question 4.

ANSWER

By th.1.10,  $\gcd(a, b) \cdot \text{lcm}(a, b) = a \cdot b$ .

Therefore  $\text{lcm}(12, 57) = \frac{(12 \cdot 57)}{3} = 228$

and  $\text{lcm}(743, 601) = \frac{(743 \cdot 601)}{1} = 446543$ .