Building LCM (Least Common Multiples)

① 10 and 15

$10 = 2 \cdot 5$

$15 = 3 \cdot 5$

$2 \cdot 5 \cdot 3 = 30$

$10 \cdot 3 =$

② 12 and 10

$*12 = 2 \cdot 2 \cdot 3$

$10 = 2 \cdot 5$

$2 \cdot 2 \cdot 3 \cdot 5 = 60$

4 15

③ $2X$ and $6X$

$*2X = 2 \cdot X$

$6X = 2 \cdot 3 \cdot X$

$2 \cdot X \cdot 3 = 6X$

④ $9X^2$ and $3X^3$

$*9X^2 = 3 \cdot 3 \cdot X \cdot X$

$3X^3 = 3 \cdot X \cdot X \cdot X$

$3 \cdot 3 \cdot X \cdot X \cdot X = 9X^3$

⑤ $14x^3$ and $7X^2$

$*14X^3 = 2 \cdot 7 \cdot X \cdot X \cdot X$

$7X^2 = 7 \cdot X \cdot X$

$2 \cdot 7 \cdot X \cdot X \cdot X = 14X^3$