

Building LCM (Least Common Multiples)

✓ ① 10 and 15

✓ $10 = \underline{2} \cdot \underline{5}$

✓ $15 = \underline{3} \cdot \underline{5}$

$\frac{2 \cdot 5 \cdot 3}{7} = \textcircled{30}$
 $10 \cdot 3 =$

✓ ② 12 and 10

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

✓ $10 = \underline{2} \cdot \underline{5}$

$\frac{2 \cdot 2 \cdot 3 \cdot 5}{4 \quad 15} = \textcircled{60}$

✓ ③ $2X$ and $6X$

* $2X = \underline{2} \cdot \underline{X}$

$6X = \underline{2} \cdot \underline{3} \cdot \underline{X}$

$2 \cdot X \cdot 3 = \textcircled{6X}$

✓ ④ $9x^2$ and $3x^3$

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

✓ $3x^3 = \underline{3} \cdot \underline{X} \cdot \underline{X} \cdot \underline{X}$

$3 \cdot 3 \cdot \underline{X} \cdot \underline{X} \cdot \underline{X} = \textcircled{9x^3}$

✓ ⑤ $14x^3$ and $7x^2$

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

✓ $7x^2 = \underline{7} \cdot \underline{X} \cdot \underline{X}$

$2 \cdot \underline{7} \cdot X \cdot X \cdot X = \textcircled{14x^3}$