

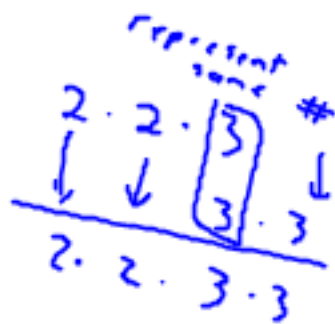
# Least Common multiple (LCM)



9: 9, 18, 27, 36  
12: 12, 24, 36

3.3 12

,



LCM: 36

$$\begin{array}{c}
 14 \\
 \wedge \\
 2 \cdot 7
 \end{array}$$

$$\begin{array}{c}
 27 \\
 \wedge \\
 3 \cdot 3 \cdot 3
 \end{array}$$

$$\begin{array}{r}
 27 \\
 \times 14 \\
 \hline
 108 \\
 270 \\
 \hline
 378
 \end{array}$$

LCM =

$$\begin{array}{c}
 2 \cdot 7 \\
 \hline
 2 \cdot 7 \cdot 3 \cdot 3 \cdot 3 \\
 \hline
 14 \cdot 27
 \end{array}$$



$$2 \cdot 2 \cdot 2 \cdot \dots \cdot 2$$

$$2^5$$



$$2 \cdot 2 \cdot 2 \cdot 3$$

$$2^3 \cdot 3$$

$$\begin{array}{r}
 2 \cdot 2 \cdot \overline{2} \cdot \overline{2} \cdot \overline{2} \cdot \overline{2} \cdot \overline{2} \cdot 3 \\
 \hline
 2 \cdot 2 \cdot 2 \cdot 3 \cdot 2 \cdot 3
 \end{array}$$

$$2^5 \cdot 3$$

$$LCM = \frac{32}{8} = 4$$

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