

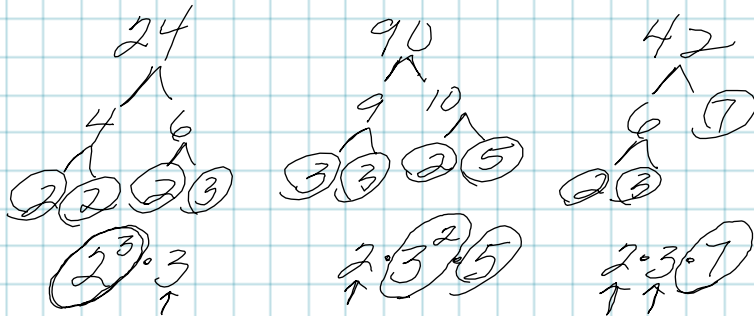
* Add $\left(\frac{1}{24} + \frac{7}{90} + \frac{5}{42}\right)$ (Need least common denominator)

Need least common multiple of 24, 90, and 42

48	180	84
72	270	126
96	360	168
⋮	⋮	⋮

TEDIOUS

New Method to find LCM of



use
prime
factorizations

$$\text{LCM} = \boxed{2^3 \cdot 3^2 \cdot 5 \cdot 7} = 8 \cdot 9 \cdot 5 \cdot 7 = 72(35) = \boxed{2520} \star$$

★ What is the most number of times each factor shows up within a prime factorization?

