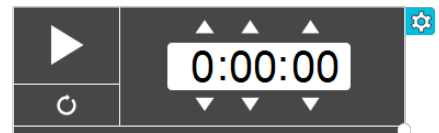


# Warm Up Questions

1. State the Greatest Common Factor of  
103950 & 97020



2. State the LCM of 173250 & 77220

1. State the Greatest Common Factor of  
103950 & 97020

$$103950 \rightarrow 2 \times 3 \times 3 \times 3 \times 5 \times 5 \times 7 \times 11$$
$$97020 \rightarrow 2 \times 2 \times 3 \times 3 \times 5 \times 7 \times 7 \times 11$$

$$2 \times 3 \times 3 \times 5 \times 7 \times 11$$

$$\text{GCF} = 6930$$

2. State the LCM of 173250 & 77220

$$173250 \rightarrow 2 \times 3 \times 3 \times 5 \times 5 \times 5 \times 7 \times 11$$

$$77220 \rightarrow 2 \times 2 \times 3 \times 3 \times 3 \times 5 \times 11 \times 13$$

$$173250 \rightarrow 2^1 \times 3^2 \times 5^3 \times 7^1 \times 11^1$$

$$77220 \rightarrow 2^2 \times 3^3 \times 5^1 \times 11^1 \times 13^1$$

$$2^2 \times 3^3 \times 5^3 \times 7^1 \times 11^1 \times 13^1$$

$$4 \times 27 \times 125 \times 7 \times 11 \times 13$$

$$\text{LCM} = 13513500$$

