

# Warm Up Questions

1. State the GCF of 25740 & 70785

2. State the LCM of 173250 & 77220

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1. State the GCF of 25740 & 70785

$$25740 \rightarrow 2 \times 2 \times 3 \times 3 \times 5 \times 11 \times 13$$

$$70785 \rightarrow 3 \times 3 \times 5 \times 11 \times 11 \times 13$$

$$3 \times 3 \times 5 \times 11 \times 13$$

$$\text{GCF} = 6435$$

2. State the LCM of 173250 & 77220

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

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

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

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

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

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

$$\text{LCM} = 13513500$$

