

Warm Up Questions

Calculate the GCF and LCM for
83160 & 26460

Greatest Common Factor

$$\begin{array}{l} 83\ 160 \rightarrow 2 \times 2 \times 2 \times 3 \times 3 \times 3 \times 5 \times 7 \times 11 \\ 26\ 460 \rightarrow 2 \times 2 \times 3 \times 3 \times 3 \times 5 \times 7 \times 7 \end{array}$$

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

$$= 3780$$

Least Common Multiple

$$83\ 160 \rightarrow 2 \times 2 \times 2 \times 3 \times 3 \times 3 \times 5 \times 7 \times 11$$

$$26\ 460 \rightarrow 2 \times 2 \times 3 \times 3 \times 3 \times 5 \times 7 \times 7$$

$$83\ 160 \rightarrow 2^3 \times 3^3 \times 5 \times 7 \times 11$$


$$26\ 460 \rightarrow 2^2 \times 3^3 \times 5 \times 7^2$$

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

$$= 8 \times 27 \times 5 \times 49 \times 11$$

$$= 582\ 120$$

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#8 e,f
#9 a,c,
#10 a,d,
#11 a,
#12
#17



Tricky !!

