

MATH JOURNAL

COMMON CORE ALIGNED PROMPTS

Draw two different pictures to show 349. Which way was better? Why?



I think that A is better because it is easier to draw 3 hundreds, 4 tens and 9 ones then it is to count 34 tens and nine ones.

Start at 145. Skip count by 5's to 215.

Start at 438. Skip count by 10's to 658.

Draw two different pictures to show 577. Which way was better? Why?

Draw two different pictures to show 577. Which way was better? Why?

Start at 54. Skip count by 100's to 954.

Draw two different pictures to show 357. Which way was better? Why?

Fourth Grade Math Journal Prompts

IM Harris



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 $2 \text{ CO}_2(\text{g}) + \text{H}_2\text{O}(\text{g}) + \text{C}_2\text{H}_2(\text{g}) \rightarrow \text{C}_2\text{H}_6(\text{g}) + 2 \text{ H}_2(\text{g}) + \text{C}_2\text{H}_4(\text{g})$ $\Delta h = 94.5 \text{ kJ}$
 $\text{H}_2\text{O}(\text{g}) + \text{H}_2(\text{g}) + \frac{1}{2} \text{O}_2(\text{g}) \rightarrow \text{H}_2\text{O}(\text{l})$ $\Delta h = 71.2 \text{ kJ}$
 $\text{C}_2\text{H}_6(\text{g}) + \frac{7}{2} \text{O}_2(\text{g}) \rightarrow 2 \text{ CO}_2(\text{g}) + 3 \text{ H}_2\text{O}(\text{g})$ $\Delta h = 283 \text{ kJ}$
 $\text{C}_2\text{H}_6(\text{g})$

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 $\text{C}_2\text{H}_4(\text{g}) + 3 \text{ O}_2(\text{g}) \rightarrow 2 \text{ CO}_2(\text{g}) + 2 \text{ H}_2\text{O}(\text{l})$ $\Delta h = 1411 \text{ kJ/mole}$
 $\text{C}_2\text{H}_6(\text{g}) + 7/2 \text{ O}_2(\text{g}) \rightarrow 2 \text{ CO}_2(\text{g}) + 3 \text{ H}_2\text{O}(\text{l})$ $\Delta h = 1560 \text{ kJ/mole}$
 $\text{H}_2(\text{g}) + 1/2 \text{ O}_2(\text{g}) \rightarrow \text{H}_2\text{O}(\text{l})$ $\Delta h = 285 \text{ kJ/mole}$

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combustion of magnesium oxide $\text{Mg} + \frac{1}{2}\text{O}_2 \rightarrow \text{MgO}$ we used

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2 $\text{NaOH (s)} + \text{HCl (aq)} \rightarrow \text{NaOH (aq)} + \text{HCl (aq)}$
3